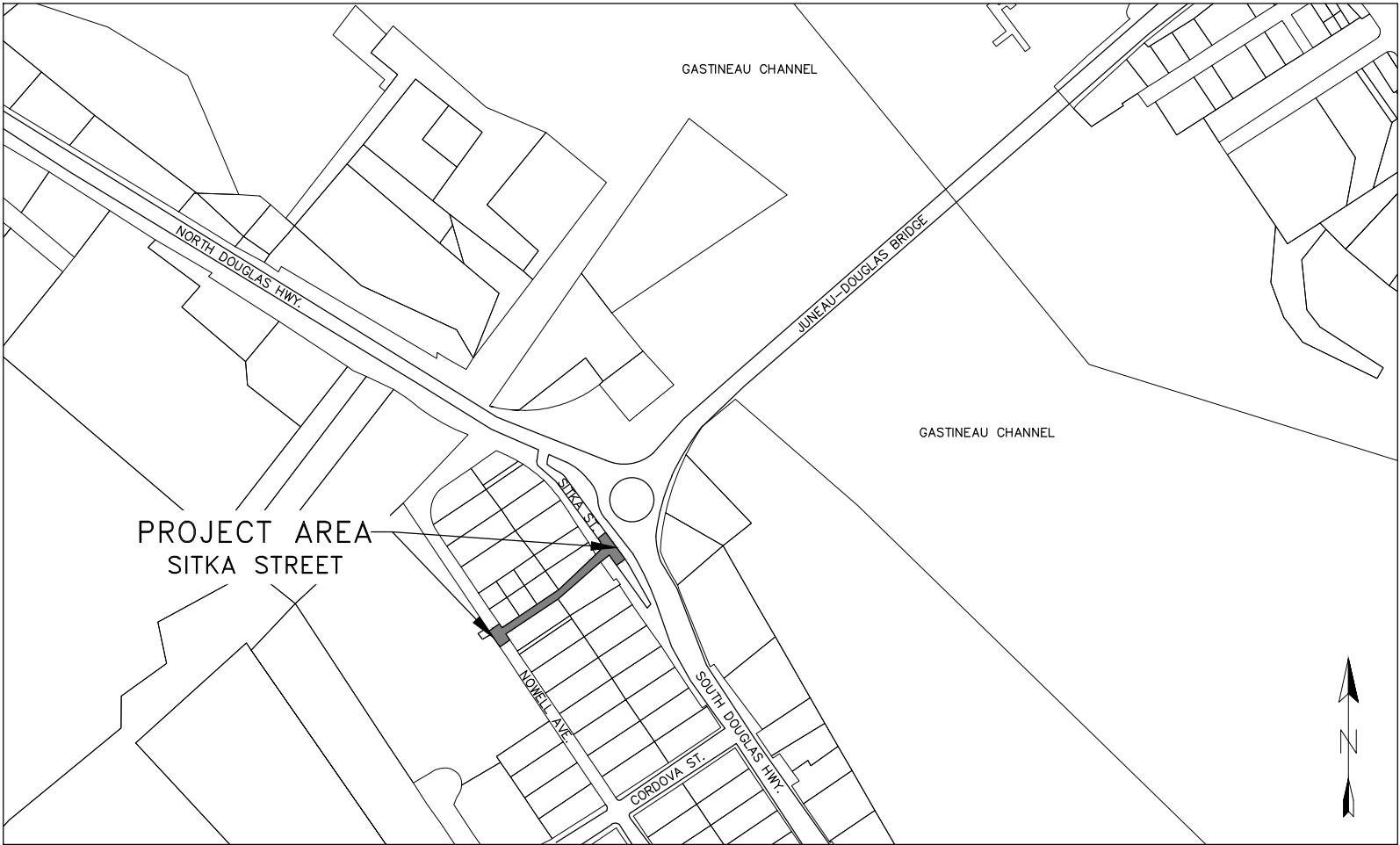


SITKA STREET RECONSTRUCTION

CBJ CONTRACT NO. BE18-254
CITY & BOROUGH OF JUNEAU, ALASKA



PROJECT LOCATION MAP
NTS

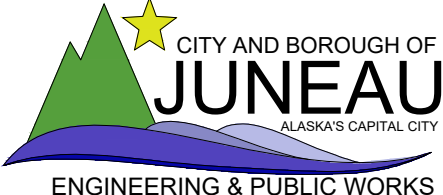
SHEET INDEX	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LEGEND, ABBREVIATIONS & GENERAL NOTES
3	TYPICAL SECTIONS
4-5	DETAILS
6	SUMMARY TABLES
7	GRADING – SITKA STREET BOP TO EOP
8	PLAN – SITKA STREET BOP TO EOP
9	PROFILE – SITKA STREET BOP TO EOP
10	SURVEY CONTROL MAP



RECORD OF REVISIONS			
No.	DATE	DESCRIPTION	BY



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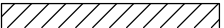















SITKA STREET
RECONSTRUCTION
CBJ CONTRACT NO. BE18-254

COVER SHEET

SHEET NUMBER
1
OF
10

C:\Users\lucas\Dropbox (proHNS)\Projects\Juneau\Sitka Street Reconstruction\C3D Sitka Street Reconstruction\SITKA_STREET_LAG.dwg
May 23, 2018

LEGEND

DESCRIPTION	EXISTING	PROPOSED
BOLLARDS	• •	• •
BUILDING		
CURB & GUTTER	=====	=====
FENCE	-*-*-*-*	-*-*-*-*
FIRE HYDRANT		
MAILBOX		
MONUMENT		
PROPERTY LINE	-----	
SANITARY SEWER CLEANOUT	○	○
SANITARY SEWER PIPE	→ PIPE SIZE & TYPE →	→ (SP-1) →
SANITARY SEWER MANHOLE		
SAWCUT & MTE LIMITS		— . — . —
SIGN		
STORM DRAIN CATCH BASIN		
STORM DRAIN PIPE	— PIPE SIZE & TYPE SD —	
STORM DRAIN MANHOLE, GRATE		
STORM DRAIN MANHOLE, SOLID LID		
TREES		
UNDERGROUND PIPE CAP/PLUG	[[
UNDERGROUND CABLE	— UGC — UGC —	
UNDERGROUND ELECTRIC	— UGE — UGE —	
UNDERGROUND PHONE	— UGP — UGP —	
UTILITY POLE		
UTILITY POLE WITH LUMINAIRE		
VALLEY GUTTER	=====	=====
WATER LINE PIPE	— PIPE SIZE & TYPE —	— — — — —
WATER VALVE BOX		

ABBREVIATIONS


AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
BOP	BEGINNING OF PROJECT
BTM	BOTTOM
BVC	BEGIN VERTICAL CURVE
BV	BUTTERFLY VALVE
CB	CATCH BASIN
CBJ	CITY & BOROUGH OF JUNEAU
C/L	CENTERLINE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
CONC	CONCRETE
CTE	CONNECT TO EXISTING
DI	DUCTILE IRON
DIA	DIAMETER
EL	ELEVATION
EOP	END OF PROJECT
EVC	END VERTICAL CURVE
FG	FINISHED GRADE
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LP	LOW POINT
LT	LEFT
MH	MANHOLE
MIN	MINIMUM
MTE	MATCH TO EXISTING
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PRC	POINT OF REVERSE CURVATURE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
RP	RADIUS POINT
RT	RIGHT
ROW	RIGHT-OF-WAY
STA	STATION
STD	STANDARD
TBC	TOP BACK OF CURB
TBG	TOP BACK OF GUTTER
TP	TOP OF PAVEMENT
TYP	TYPICAL

GENERAL NOTES

1. CBJ ENGINEERING STANDARD DETAILS BOOK FOR CIVIL ENGINEERING PROJECTS AND SUBDIVISION IMPROVEMENTS FOURTH ADDITION DATED AUGUST, 2011 AND CBJ ENGINEERING STANDARD SPECIFICATIONS DATED DECEMBER, 2003 ARE MADE A PART OF THIS CONTRACT, INCLUDING ALL ERRATA (NOS. 1–16) AND CURRENT REVISIONS AS APPLICABLE.
2. CALL 586–1333 BEFORE YOU DIG FOR UNDERGROUND POWER, TELEPHONE AND CABLE. CALL 811 ALASKA DIGLINE BEFORE YOU DIG FOR UNDERGROUND ACS & GCI. LOCATIONS AND ELEVATION OF EXISTING UNDERGROUND WATER, SEWER, POWER, TELEPHONE AND CABLE TELEVISION SHOWN ON THE PLANS WERE DERIVED FROM CBJ AS–BUILTS AND FIELD LOCATES. THE ACTUAL LOCATION OF UTILITIES MAY VARY FROM THOSE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING THE UTILITIES THROUGHOUT THE CONSTRUCTION OF THE PROJECT. ANY DAMAGE TO THE UNDERGROUND UTILITIES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
3. THE ESTIMATED TOTAL AREA OF DISTURBANCE RESULTING FROM THESE IMPROVEMENTS IS APPROXIMATELY 0.25 ACRES.
4. THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) HAS IDENTIFIED A CONTAMINATED SITE WITHIN 1,500 FEET OF THE PROJECT LIMITS THAT IS CURRENTLY IN "ACTIVE" OR "INSTITUTIONAL CONTROL" CLEANUP STATUS. THE LOCATION OF THE SITE IS AT 3333 NOWELL AVE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSULT DEC AND OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK.
5. FINISHED GRADE AND ALIGNMENT ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER. LOCATION OF PROPOSED WATER, SEWER AND STORM DRAINAGE FACILITIES ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
6. PROPERTY LINE LOCATIONS USED IN THESE PLANS ARE DERIVED FROM RECORD PLATS AND DO NOT REPRESENT BOUNDARY SURVEY.
7. THE CONTRACTOR SHALL PERFORM A CLOSED LEVEL LOOP THROUGH ALL TBM'S AS LISTED HEREON TO VERIFY ELEVATIONS PRIOR TO BEGINNING ANY WORK.
8. CONTRACTOR SHALL REFERENCE ALL EXISTING PROPERTY CORNER MONUMENTS (I.E. BRASS CAP MONUMENTS, REBARS, CONCRETE NAILS, CHISELED X'S) PRIOR TO CONSTRUCTION AND REMONUMENT AFTER SURFACING IS REPLACED. EXISTING SURVEY MONUMENTS MAY NOT BE SHOWN ON THE DRAWINGS. ALL WORK SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN ALASKA REGISTERED LAND SURVEYOR.
9. CONTRACTOR SHALL ENSURE GARBAGE PICKUP, PRIVATE AND BUSINESS DELIVERIES, AND DAILY MAIL SERVICE WILL BE UNINTERRUPTED TO ALL BUSINESS AND RESIDENCES AFFECTED BY THIS PROJECT.
10. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY OWNER OF EACH DRIVEWAY CLOSURE 48 HOURS PRECEDING THE DAY THE DRIVEWAY IS TO BE CLOSED TO VEHICULAR ACCESS. THE PROPERTY OWNER SHALL BE INFORMED OF THE PERIOD OF TIME THE CLOSURE WILL BE IN EFFECT. NO DRIVEWAY CLOSURES WILL BE PERMITTED UNTIL THIS REQUIREMENT HAS BEEN MET TO THE SATISFACTION OF THE ENGINEER.
11. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED ON PRIVATE PROPERTY, WITHOUT THE WRITTEN APPROVAL OF THE PROPERTY OWNER.
12. THE CONTRACTOR SHALL NOTIFY CBJ WATER UTILITIES (LONI VANKIRK AT 723–4975) OF PROPOSED WATER SERVICE INTERRUPTION AND SUBMIT THE "WATER SYSTEM SPECIAL USE PERMIT" TO CBJ WATER UTILITIES SUPERINTENDENT FOR APPROVAL AT LEAST 48 HOURS PRIOR TO SHUTDOWN OR FLUSHING OF MAINLINE WATER PIPE. NO WATER SERVICE INTERRUPTION MAY PROCEED UNTIL THIS APPROVAL IS OBTAINED.
13. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER AND SEWER PIPES, INCLUDING ALL SERVICES ALONG THE STORM DRAIN AND WATER PIPE ALIGNMENTS TO DETERMINE PIPE INSULATION LOCATIONS AND TO ENSURE DAMAGE DOES NOT OCCUR TO THE SERVICE PIPES.
14. ONLY HORIZONTAL ELBOW FITTINGS (BENDS) ARE SHOWN (NOT ALL ARE LABELED) ON DRAWINGS. ADDITIONAL FITTINGS WILL BE REQUIRED FOR VERTICAL DEFLECTIONS NEAR CONNECTIONS TO EXISTING PIPES, AND AT OTHER LOCATIONS REQUIRING GRADE CHANGES TO AVOID CONFLICTS.
15. THE PLAN DRAWINGS DO NOT SHOW PLANTINGS, AND OTHER LANDSCAPING THAT WILL BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES. NO PLANTINGS OR LANDSCAPING ARE TO BE REMOVED OR DAMAGED, UNLESS SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
16. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF OFF–SITE, EXCEPT AS NOTED IN THE CONTRACT DOCUMENTS.
17. ALL ASPHALT PAVEMENT TO BE REMOVED AND DISPOSED OF SHALL BE DELIVERED TO A STOCKPILE AREA AT THE LEMON CREEK CITY PIT AT A LOCATION TO BE DESIGNATED BY THE ENGINEER. CONTACT THE ENGINEER FOR THE EXACT LOCATION OF THE STOCKPILE.
18. ALL OTHER MATERIALS TO BE REMOVED AND DISPOSED OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR, INCLUDING CONCRETE, UNSUITABLE SOILS, WATER PIPE, SEWER PIPE, SEWER STRUCTURES AND ETC.
19. WATER AND SANITARY SEWER PIPE CALLED OUT ON THE DRAWINGS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF IN THEIR ENTIRETY. FILLING OF WATER OR SEWER PIPE WITH CEMENT SLURRY FOR ABANDONMENT IN–PLACE WILL NOT BE ALLOWED UNLESS OTHERWISE NOTED ON THE PLANS.



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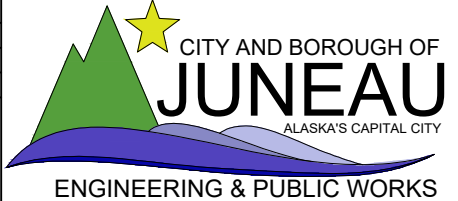


proHNS LLC
CERTIFICATE OF AUTHORIZATION
#100662

DRAWN BY: L. CHAMBERS
DESIGNED BY: L. CHAMBERS
CHECKED BY: G. GLADSJO
DATE: May 2018

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**SITKA STREET
RECONSTRUCTION**

CBJ CONTRACT NO. BE18-254

**LEGEND, ABBREVIATIONS
& GENERAL NOTES**


SHEET NUMBER
2
OF
10

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May 23, 2018



RECORD OF REVISIONS			
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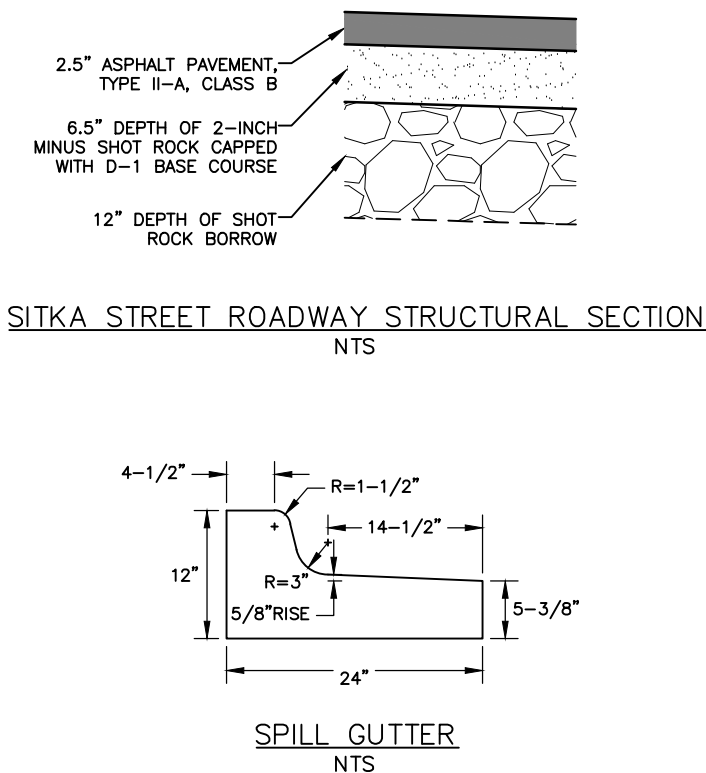
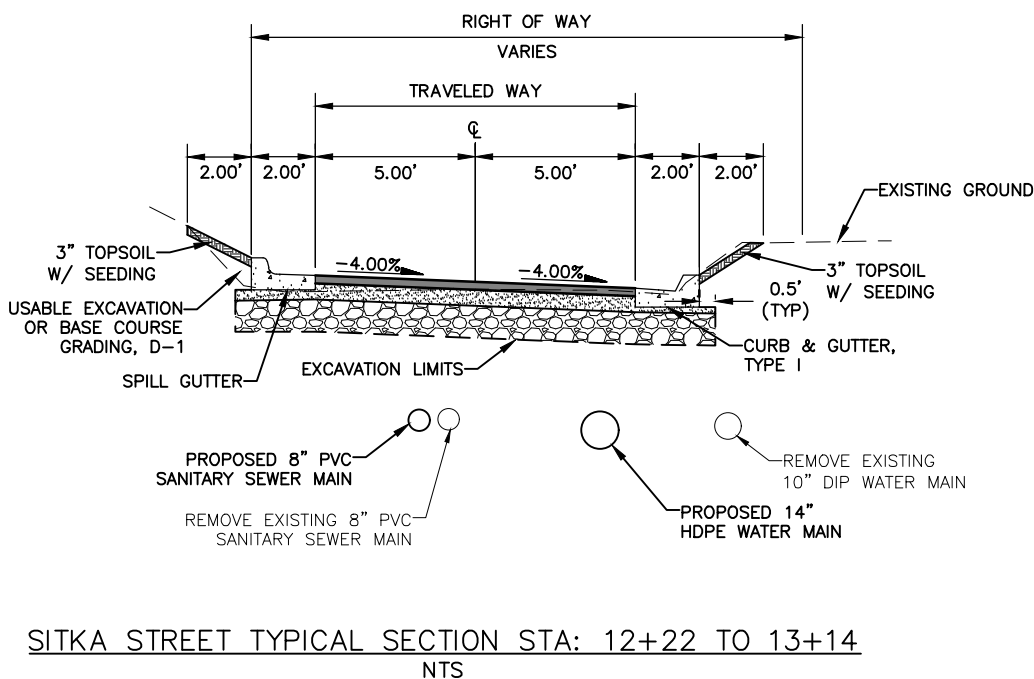
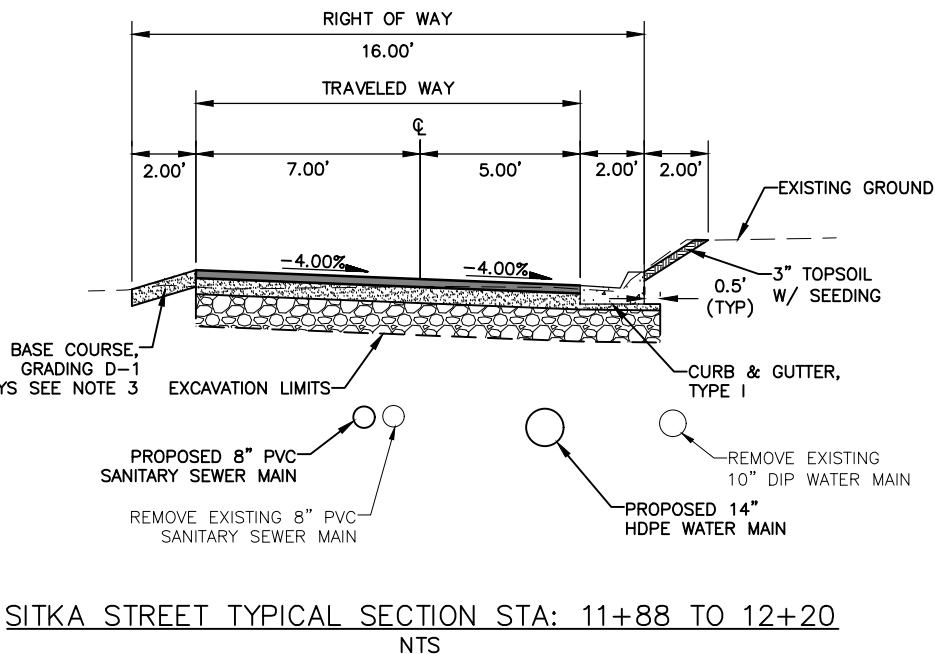
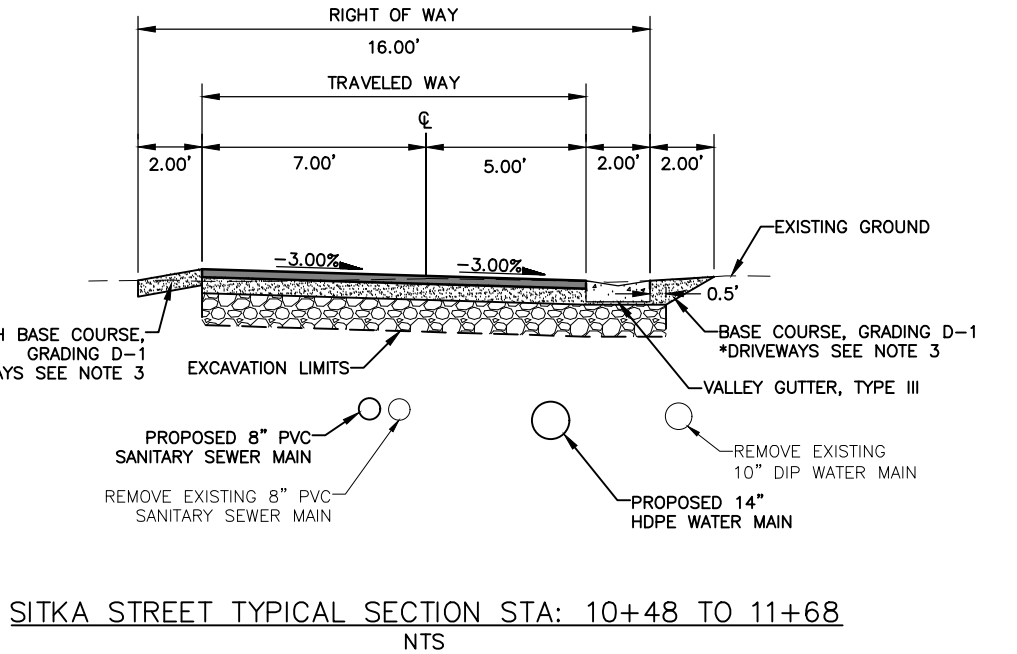


**SITKA STREET
RECONSTRUCTION**

CBJ CONTRACT NO. BE18-254

TYPICAL SECTIONS

SHEET NUMBER
3
OF
10



TYPICAL SECTION NOTES

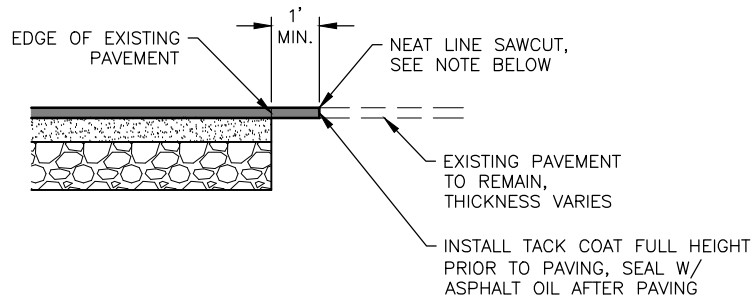
- CROSS SLOPE VARIES AT INTERSECTIONS AND TRANSITIONS, SEE GRADING SHEETS FOR ADDITIONAL LAYOUT INFORMATION.
- TOP OF ASPHALT ALONG NEW GUTTER SHALL BE 1/4-INCHES ABOVE LIP OF GUTTER.
- DRIVEWAYS DISTURBED DURING CONSTRUCTION SHALL BE RECONSTRUCTED TO EQUAL OR BETTER CONDITION WITH SUBGRADE REPLACED IN LAYERS TO MATCH THOSE REMOVED, EXCEPT:
 - EXISTING ASPHALT PAVED DRIVEWAYS DISTURBED DURING CONSTRUCTION SHALL BE SUBCUT TO 8.5" BELOW FINISHED GRADE AND REPLACED WITH 6" OF 2-INCH MINUS SHOT ROCK CAPPED WITH BASE COURSE GRADING, D-1.
 - EXISTING GRAVEL DRIVEWAYS DISTURBED DURING CONSTRUCTION SHALL BE SUBCUT TO 6" BELOW FINISHED GRADE AND REPLACED WITH 6" OF BASE COURSE GRADING, D-1.
 - ORGANICS, ROOTS, WOOD OR OTHER DELETERIOUS MATERIALS ENCOUNTERED IN THE DRIVEWAYS DURING EXCAVATION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AND DISPOSED OF AT AN APPROVED OFFSITE DISPOSAL SITE. BACKFILL VOIDS BELOW THE REQUIRED SUBCUT LAYER WITH USABLE EXCAVATION.
- CLEARING AND GRUBBING LIMITS ARE 2' TO THE OUTSIDE OF NEW CURB & GUTTER/ VALLEY GUTTER OR OUTSIDE EDGE OF PAVEMENT. HYDROSEED ALL DISTURBED AREAS FOLLOWING COMPLETION OF WORK.
- THE LIMITS OF USABLE MATERIAL, BASE COURSE GRADING D-1, ASPHALT AND TOPSOIL BEHIND THE PROPOSED ASPHALT EDGE OR CURB & GUTTER/VALLEY GUTTER ARE 2' TYP. IN DISTANCE. VARY DISTANCE AS NECESSARY AND PLACE AND GRADE THESE MATERIALS TO PROVIDE A SMOOTH, WELL-DRAINED TRANSITION TO EXISTING GRADES, AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL NOTES

- ALL TRAFFIC TO BE CONTROLLED PER REQUIREMENTS OF THE ALASKA TRAFFIC MANUAL, U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE ALASKA SUPPLEMENT.
- DETOURS SHALL BE APPROVED BY THE ENGINEER.
- ROAD CLOSURES SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR WILL NOT BE PERMITTED TO OBSTRUCT VEHICULAR TRAFFIC BETWEEN THE HOURS OF 4:30 PM AND 8:00 AM SEVEN DAYS A WEEK. DURING THIS PERIOD ONE LANE SHALL BE OPEN TO VEHICULAR TRAFFIC AND HAVE A MINIMUM WIDTH OF 9 FEET.
- PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
- A MINIMUM OF ONE LANE (9 FOOT MINIMUM WIDTH) SHALL BE KEPT OPEN TO VEHICULAR TRAFFIC AT ALL TIMES, EXCEPT A FIVE MINUTE MAXIMUM STOPPAGE TO VEHICULAR TRAFFIC WILL BE PERMITTED WITH NO MORE THAN ONE TRAFFIC STOPPAGE PER HOUR. THIS REQUIREMENT DOES NOT APPLY FOR THE DAY OF PAVING.
- PEDESTRIAN TRAFFIC SHALL BE AVAILABLE ALONG AT LEAST ONE SIDE OF THE STREET AT ALL TIMES. THE PEDESTRIAN PATHWAY SHALL BE CLEARLY MARKED AND SHALL SATISFY THE REQUIREMENTS AS DESCRIBED IN THE SPECIAL PROVISIONS.

PAVING SEQUENCE REQUIREMENTS

- LAYDOWN OPERATIONS FOR THE TRAVELED WAY SHALL BE COMPLETED IN A SINGLE FULL-WIDTH PATH.

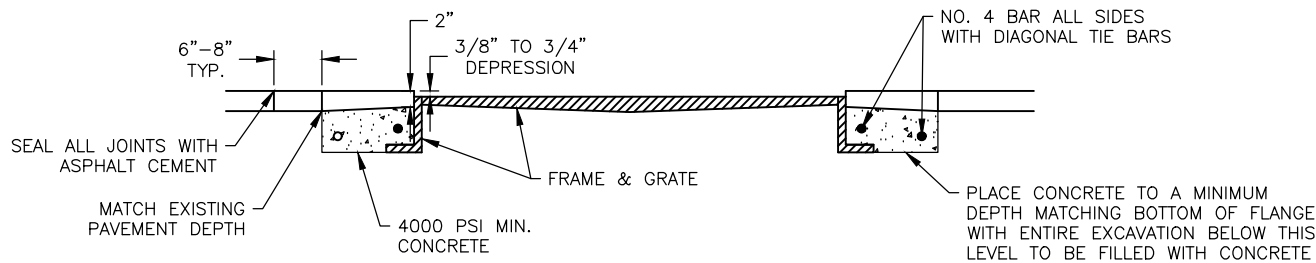


1
4

PAVEMENT MATCH JOINT
SCALE: NOT TO SCALE

DETAIL 1/4 NOTES:

1. FINAL SAWCUT OF EXISTING ASPHALT SHALL NOT BE MADE UNTIL 24 HOURS PRIOR TO PAVING.

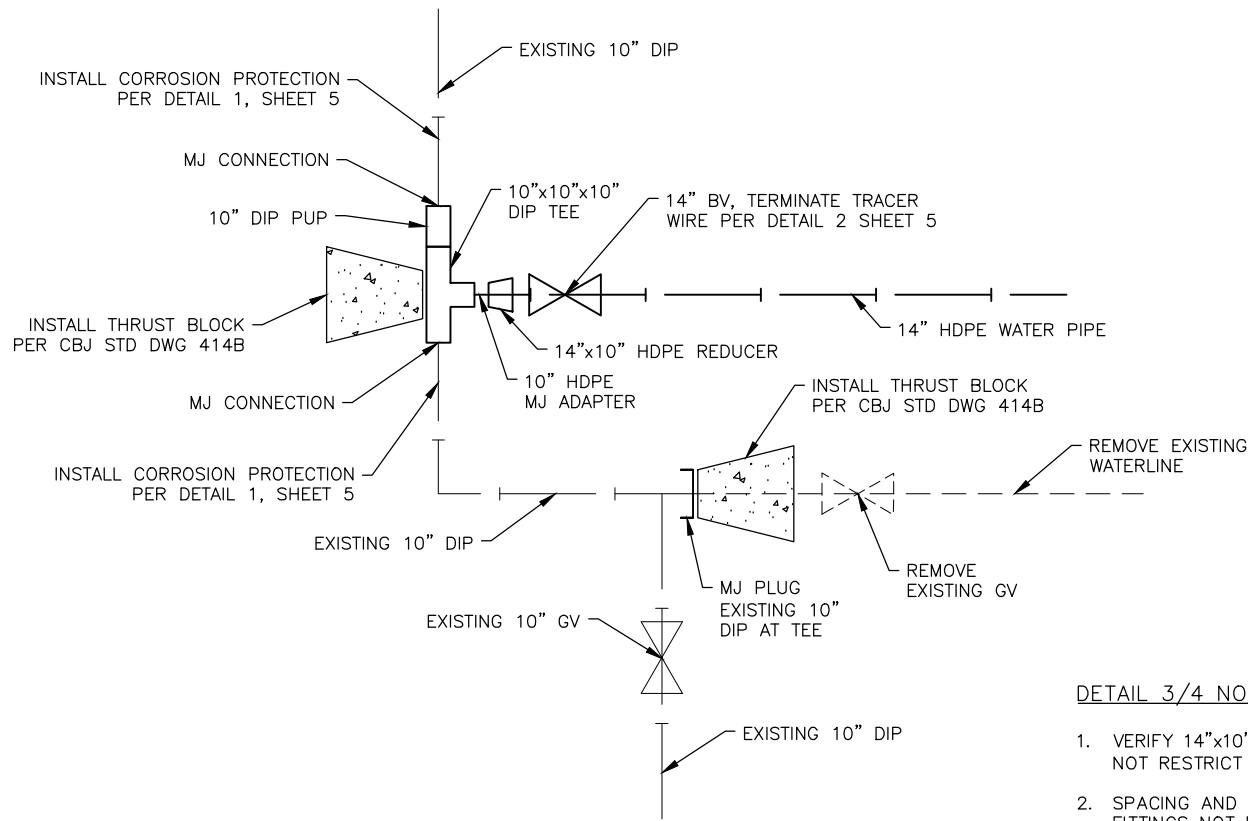


2
4

MANHOLE CONCRETE TRANSITION SLAB
W/ ASPHALT PAVEMENT OVERLAY
SCALE: NOT TO SCALE

DETAIL 2/4 NOTES:

1. MANHOLE FRAME SHALL BE RAISED TO FINISH GRADE PRIOR TO PAVING OPERATIONS. IF AFTER PAVING ALLOWABLE DEPRESSION TOLERANCES HAVE NOT BEEN MET THE ABOVE DETAIL SHALL BE USED.
2. CONCRETE SHALL CURE FOR 48 HOURS MINIMUM BEFORE PLACING PAVEMENT OVERLAY.

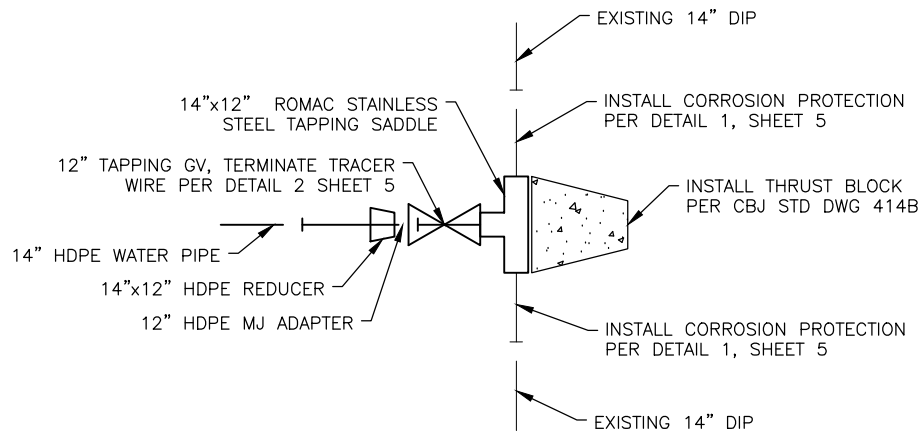


3
4

CONNECT TO EXISTING WATER PIPE DETAIL
SCALE: NOT TO SCALE

DETAIL 3/4 NOTES:

1. VERIFY 14"x10" HDPE REDUCER DOES NOT RESTRICT OPERATION OF 14" BV.
2. SPACING AND SIZE OF PARTS AND FITTINGS NOT DRAWN TO SCALE.



4
4

CONNECT TO EXISTING WATER PIPE DETAIL
SCALE: NOT TO SCALE

DETAIL 3/4 NOTES:

1. SPACING AND SIZE OF PARTS AND FITTINGS NOT DRAWN TO SCALE.



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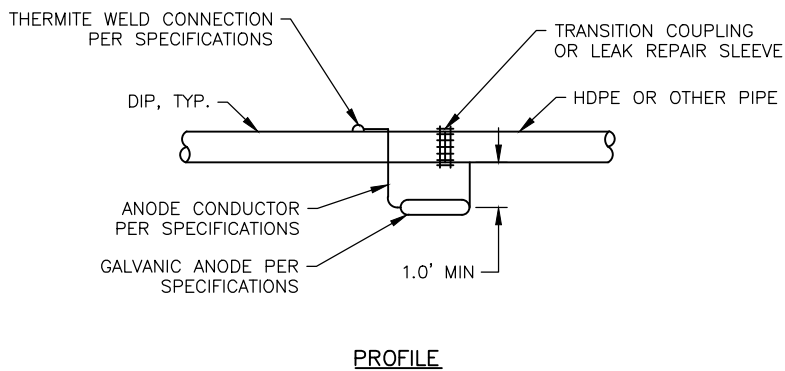
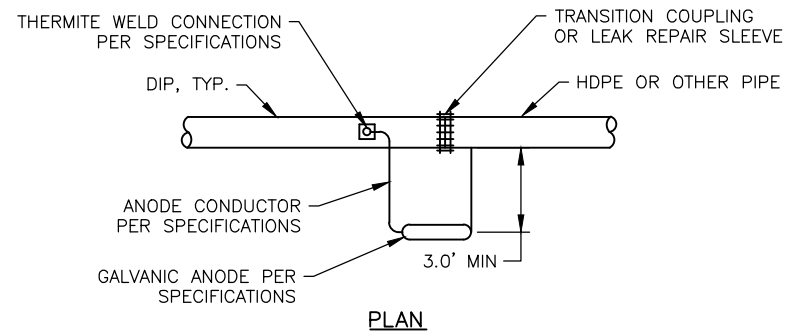
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SITKA STREET
RECONSTRUCTION
CBJ CONTRACT NO. BE18-254

DETAILS

SHEET NUMBER
4
OF
10



1
5 GALVANIC ANODE INSTALLATION
FOR PIPE CONNECTIONS TO HDPE PIPE
SCALE: NOT TO SCALE

DETAIL 1/5 NOTES:

ANODES:

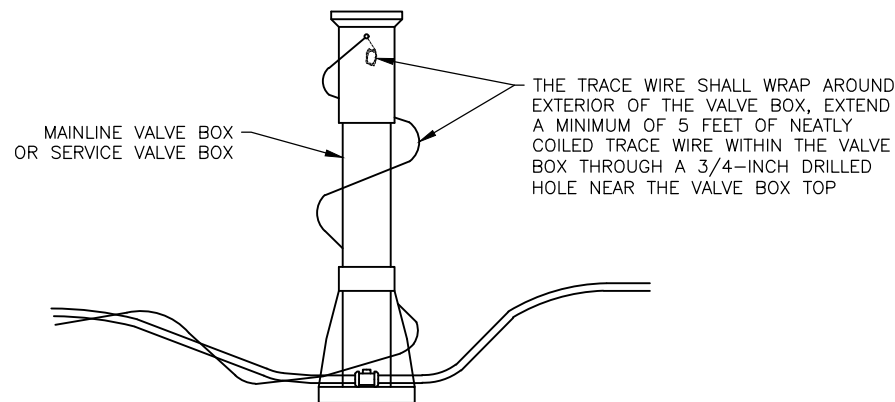
1. INSTALL TWO ANODES TO ALL CONNECTIONS TO CIP OR DIP 12-INCH IN DIAMETER OR LARGER UNLESS OTHERWISE NOTED ON PLANS.
2. PREPACKAGED ANODE SHALL BE SATURATED WITH WATER PRIOR TO BACKFILL.
3. ANODES SHALL BE PLACED IN NATIVE EARTH BACKFILL. DO NOT PLACE IN PIPE BEDDING MATERIAL.

THERMITE (EXOTHERMIC) WELDING:

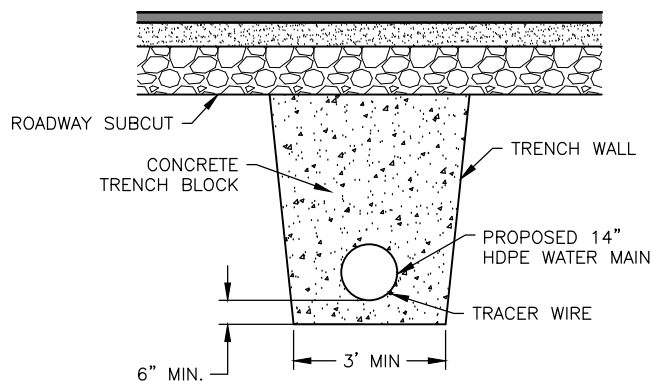
1. THERMITE WELD MATERIALS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
2. A 2-INCH SQUARE AREA IN THE PIPE SURFACE SHALL BE GROUND CLEAN PER MANUFACTURERS RECOMMENDATIONS PRIOR TO THERMITE WELDING.
3. WIRE ENDS SHALL HAVE PROPER ADAPTER SLEEVES TO ENSURE PROPER BOND. ANODE CONDUCTOR SHALL HAVE ADAPTER SLEEVES SPECIFIED BY THERMITE WELD MANUFACTURER. FIELD INSTALLED SLEEVES SHALL HAVE WIRE CONDUCTOR EXTEND 1/4-INCH BEYOND ENDS OF SLEEVE.
4. WIRE CONNECTION SHALL BE TESTED FOR INTEGRITY PRIOR TO COATING.

COATING AND SEALING:

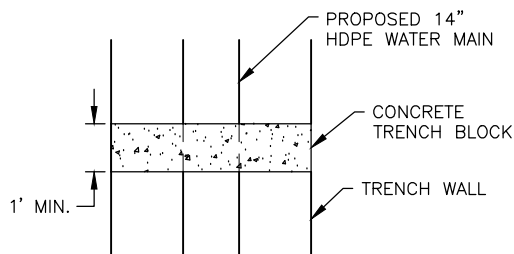
1. ALL THERMITE WELDS SHALL BE PROTECTED AND SEALED BY:
 - a. PREFABRICATED THERMITE WELD CAPS, SIZED ACCORDING TO WIRE SIZE, MINIMUM DIMENSIONS OF 4-INCH BY 4-INCH FILLED WITH ELASTOMERIC MASTIC COATING OR,
 - b. HEAT SHRINK SLEEVE PIPE ENCASEMENT AFTER COATING THERMITE WELD WITH ELASTOMERIC MASTIC COATING - HEAT SHRINK SLEEVE SHALL BE CANUSA AQUA SEAL OR APPROVED EQUAL.
2. ALL PIPE SURFACE COATING DAMAGED BEYOND THE WELD CAPS OR HEAT SHRINK SHALL BE COATED WITH PROTAL 7125 FROM DENSO NORTH AMERICA OR APPROVED EQUAL.



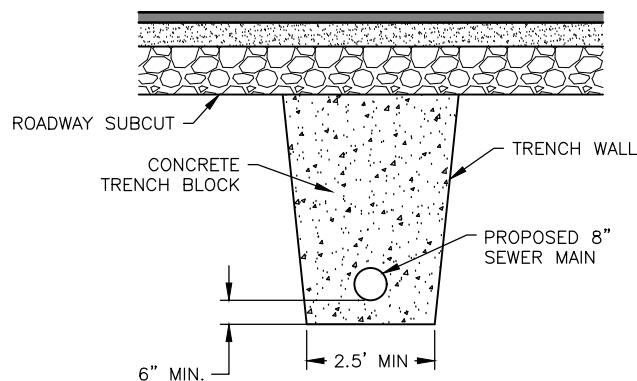
2
5 TRACE WIRE TERMINATION
SCALE: NOT TO SCALE



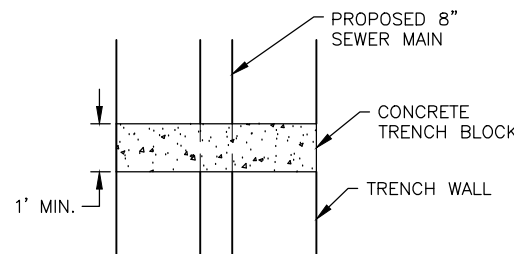
WATER LINE PROFILE



WATER LINE PLAN



SEWER LINE PROFILE



SEWER LINE PLAN

3
5 TRENCH BLOCK DETAILS
SCALE: NOT TO SCALE

DETAIL 3/5 NOTES:

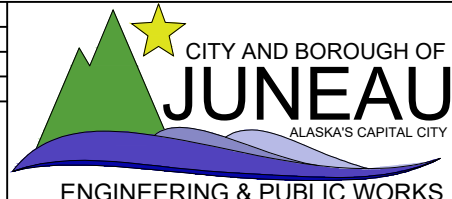
1. INSTALL EVERY 50' BETWEEN STA: 10+50 TO 13+00.
2. MAINTAIN A MINIMUM 5' SEPARATION FROM SERVICES, ELBOWS, TEES, VALVES AND OTHER FITTINGS.



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SITKA STREET
RECONSTRUCTION
CBJ CONTRACT NO. BE18-254

DETAILS

SHEET NUMBER
5
OF
10

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WATER SERVICE SUMMARY			
STREET ADDRESS	STATION & OFFSET	SIZE/TYPE	REMARKS
3360 NOWELL AVE.	10+48, 8.5' RT	8" HDPE	INSTALL 8" HDPE STUB, LOCATE EXISTING 1-1/2" WATER SERVICE & CONNECT W/ SADDLE & CURB STOP
168 SITKA STREET	11+27, 6.5' LT	1" POLY	LOCATE EXISTING WATER SERVICE & CONNECT
150 SITKA STREET	11+44, 9.5' LT	1" POLY	LOCATE EXISTING WATER SERVICE & CONNECT
162 SITKA STREET	12+12, 9.0' LT	1" POLY	LOCATE EXISTING WATER SERVICE & CONNECT
3441 DOUGLAS HWY	12+23, 8.5' LT	1" POLY	LOCATE EXISTING WATER SERVICE & CONNECT
3421 DOUGLAS HWY	12+51, 9.5' RT	1" POLY	CONNECT TO EXISTING
NOTES:			
1. WATER SERVICE & CURB STOP LOCATIONS SHOWN ARE FROM LIMITED AS-BUILT INFORMATION & NOT ALL WERE FIELD LOCATED. CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES TO CONFIRM FINAL LOCATION FOR NEW WATER SERVICE INSTALLATION.			
2. WHERE APPLICABLE REMOVE EXISTING CURB STOPS, INSTALL NEW CURB STOP & VALVE BOX PER SPECIFICATIONS & CBJ STD. DWG. 406A, EXCEPT HORIZONTAL OFFSET OF VALVE BOX FROM PROPERTY LINE SHALL BE APPROVED BY THE ENGINEER. CONNECT TO EXISTING WATER SERVICE WHERE EXISTING CURB STOP WAS REMOVED.			

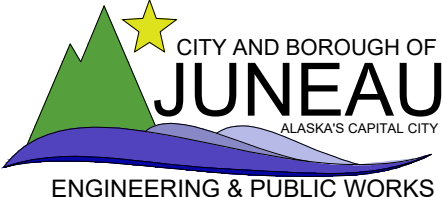
SEWER SERVICE SUMMARY			
STREET ADDRESS	STATION & OFFSET	SIZE/TYPE	REMARKS
3440 NOWELL AVE.	10+72, 10.5' LT	6" PVC	LOCATE EXISTING SANITARY SEWER SERVICE & CONNECT
168 SITKA STREET	11+35, 9.5' LT	6" PVC	LOCATE EXISTING SANITARY SEWER SERVICE & CONNECT
3360 NOWELL AVE.	11+56, 8.5' RT	6" PVC	LOCATE EXISTING SANITARY SEWER SERVICE & CONNECT
150 SITKA STREET	11+90, 9.5' LT	6" PVC	LOCATE EXISTING SANITARY SEWER SERVICE & CONNECT
162 SITKA STREET	12+17, 9.0' LT	6" PVC	LOCATE EXISTING SANITARY SEWER SERVICE & CONNECT
NOTES:			
1. SEWER SERVICE LOCATIONS SHOWN ARE FROM CAMERA NOTES & WERE NOT FIELD LOCATED. CONTRACTOR SHALL FIELD LOCATE ALL SEWER SERVICES TO CONFIRM FINAL LOCATION FOR NEW SEWER SERVICE & CLEANOUT INSTALLATION.			
2. CONSTRUCT NEW PVC SEWER SERVICES & CONNECT TO NEW SEWER MAIN PER CBJ STD. DWG. 210. INSTALL NEW CLEANOUT PER CBJ STD. DWG. 213, EXCEPT HORIZONTAL OFFSET OF VALVE BOX FROM PROPERTY LINE SHALL BE APPROVED BY THE ENGINEER, AND CONNECT TO EXISTING SERVICE. AT EACH CLEANOUT INSTALL A RING AND COVER PER CBJ STD. DWG. 205 & 208.			



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DRAWN BY:	L. CHAMBERS
DESIGNED BY:	L. CHAMBERS
CHECKED BY:	G. GLADSJO
DATE:	May 2018
1945 ALEX HOLDEN WAY JUNEAU, AK 99801	
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SITKA STREET
RECONSTRUCTION

CBJ CONTRACT NO. BE18-254

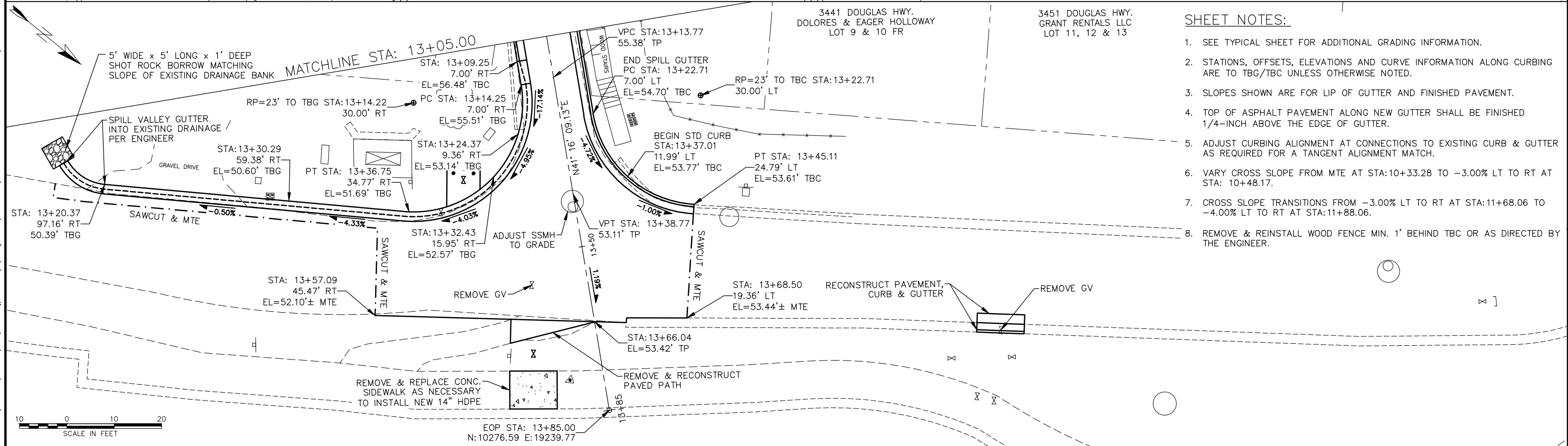
SUMMARY TABLES

SHEET NUMBER

6

OF

10



SHEET NOTES:

1. SEE TYPICAL SHEET FOR ADDITIONAL GRADING INFORMATION.
2. STATIONS, OFFSETS, ELEVATIONS AND CURVE INFORMATION ALONG CURBING ARE TO TBG/TBC UNLESS OTHERWISE NOTED.
3. SLOPES SHOWN ARE FOR LIP OF GUTTER AND FINISHED PAVEMENT.
4. TOP OF ASPHALT PAVEMENT ALONG NEW GUTTER SHALL BE FINISHED 1/4-INCH ABOVE THE EDGE OF GUTTER.
5. ADJUST CURBING ALIGNMENT AT CONNECTIONS TO EXISTING CURB & GUTTER AS REQUIRED FOR A TANGENT ALIGNMENT MATCH.
6. VARY CROSS SLOPE FROM MTE AT STA:10+33.28 TO -3.00% LT TO RT AT STA: 10+48.17.
7. CROSS SLOPE TRANSITIONS FROM -3.00% LT TO RT AT STA:11+68.06 TO -4.00% LT TO RT AT STA:11+88.06.
8. REMOVE & REINSTALL WOOD FENCE MIN. 1' BEHIND TBC OR AS DIRECTED BY THE ENGINEER.



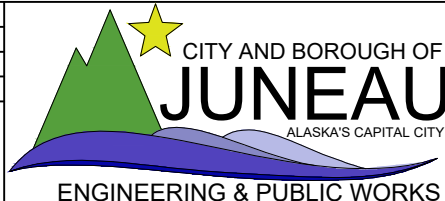
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SITKA STREET RECONSTRUCTION

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GRADING PLAN - BOP TO EOP

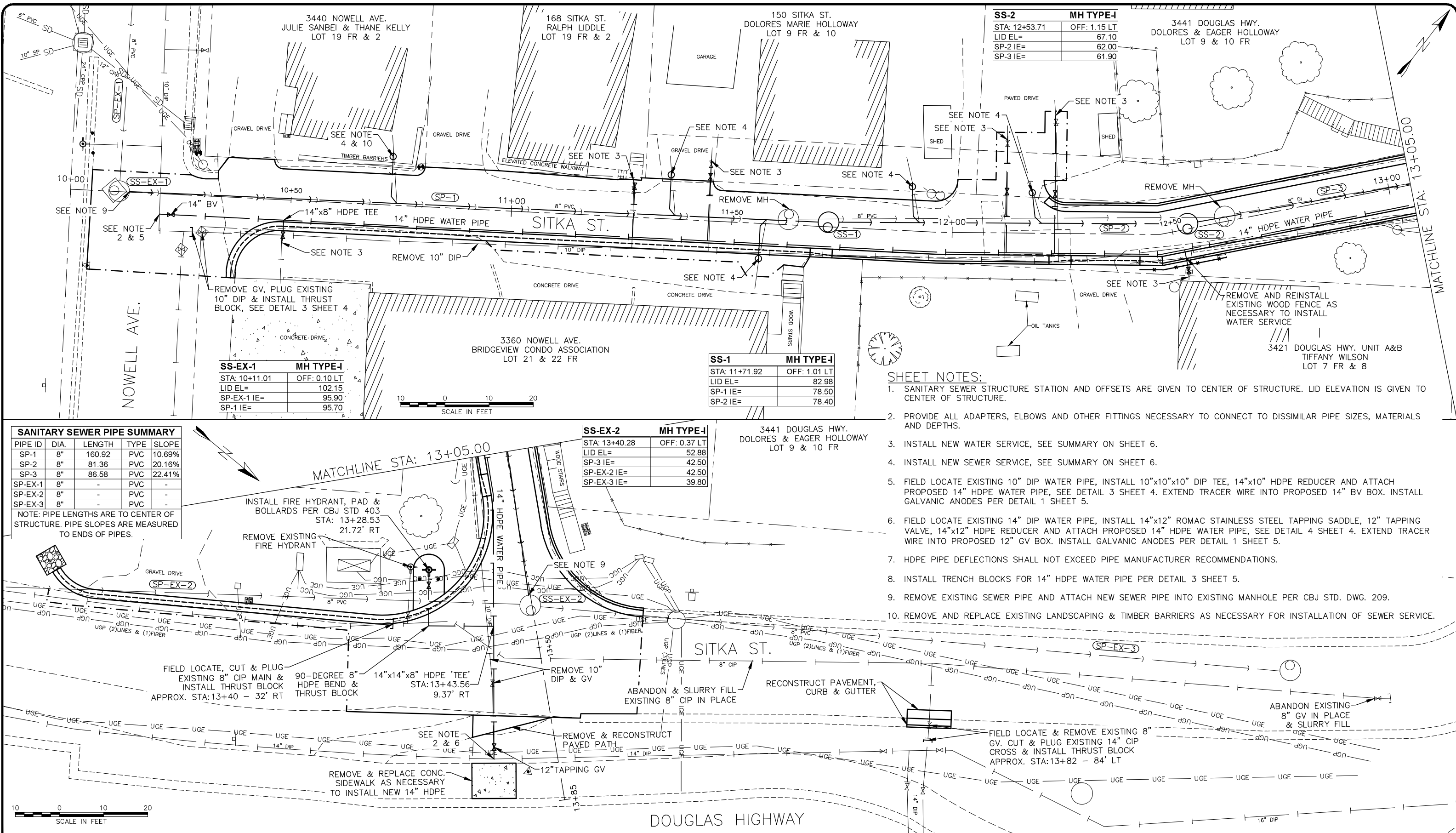
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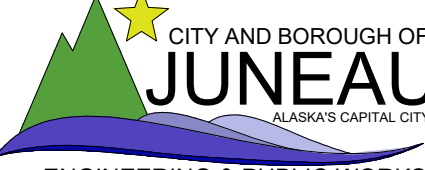
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OF

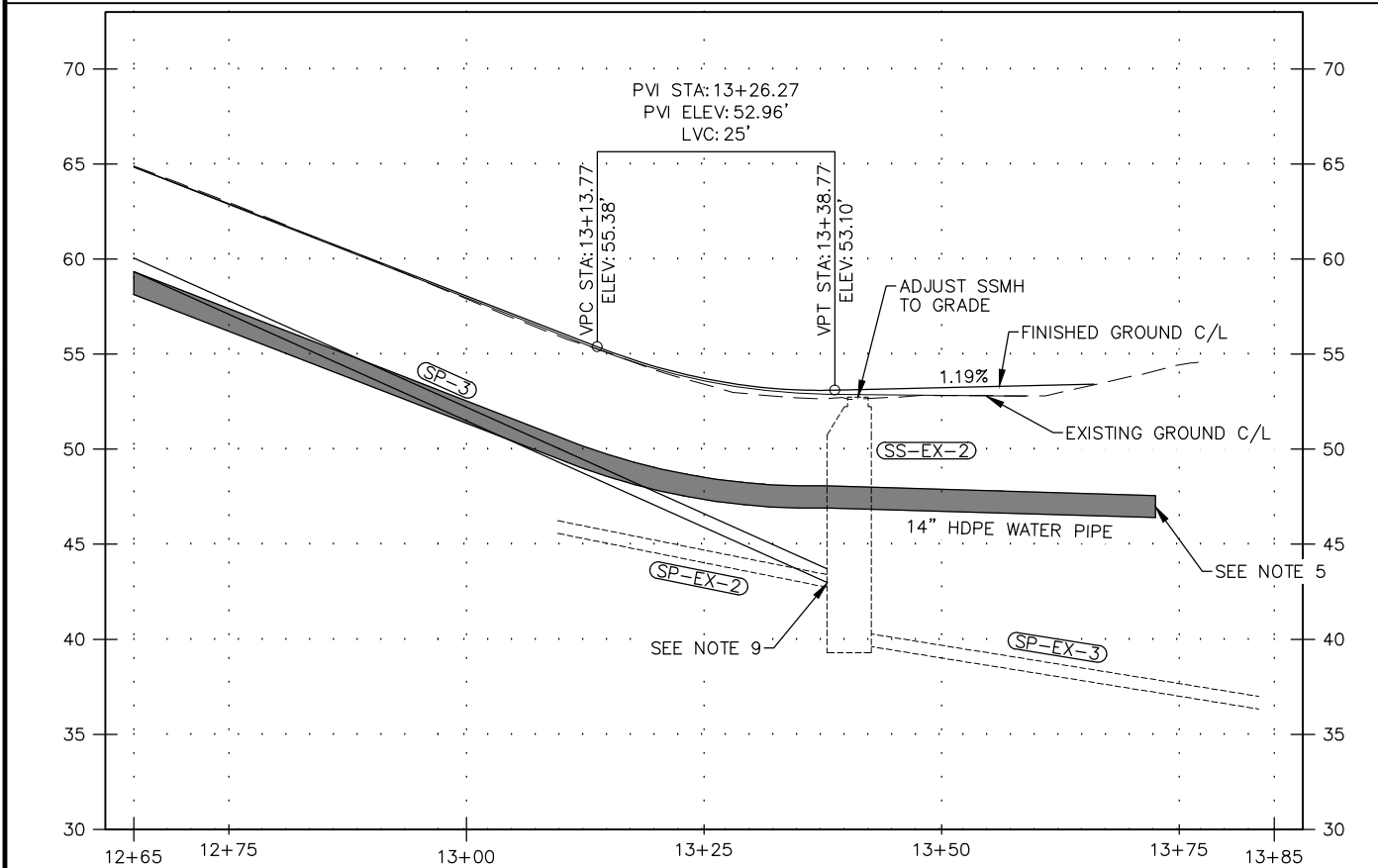
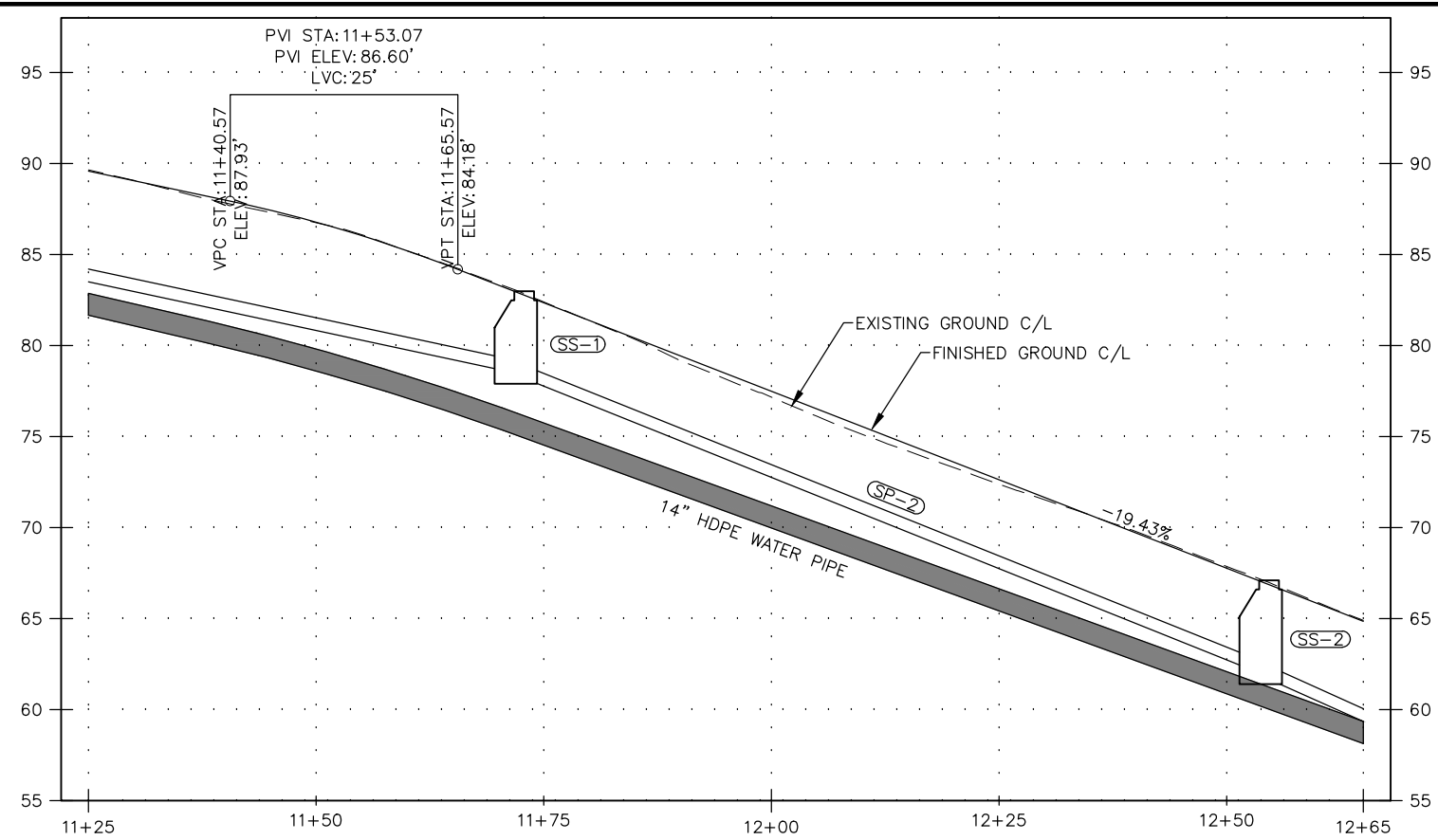
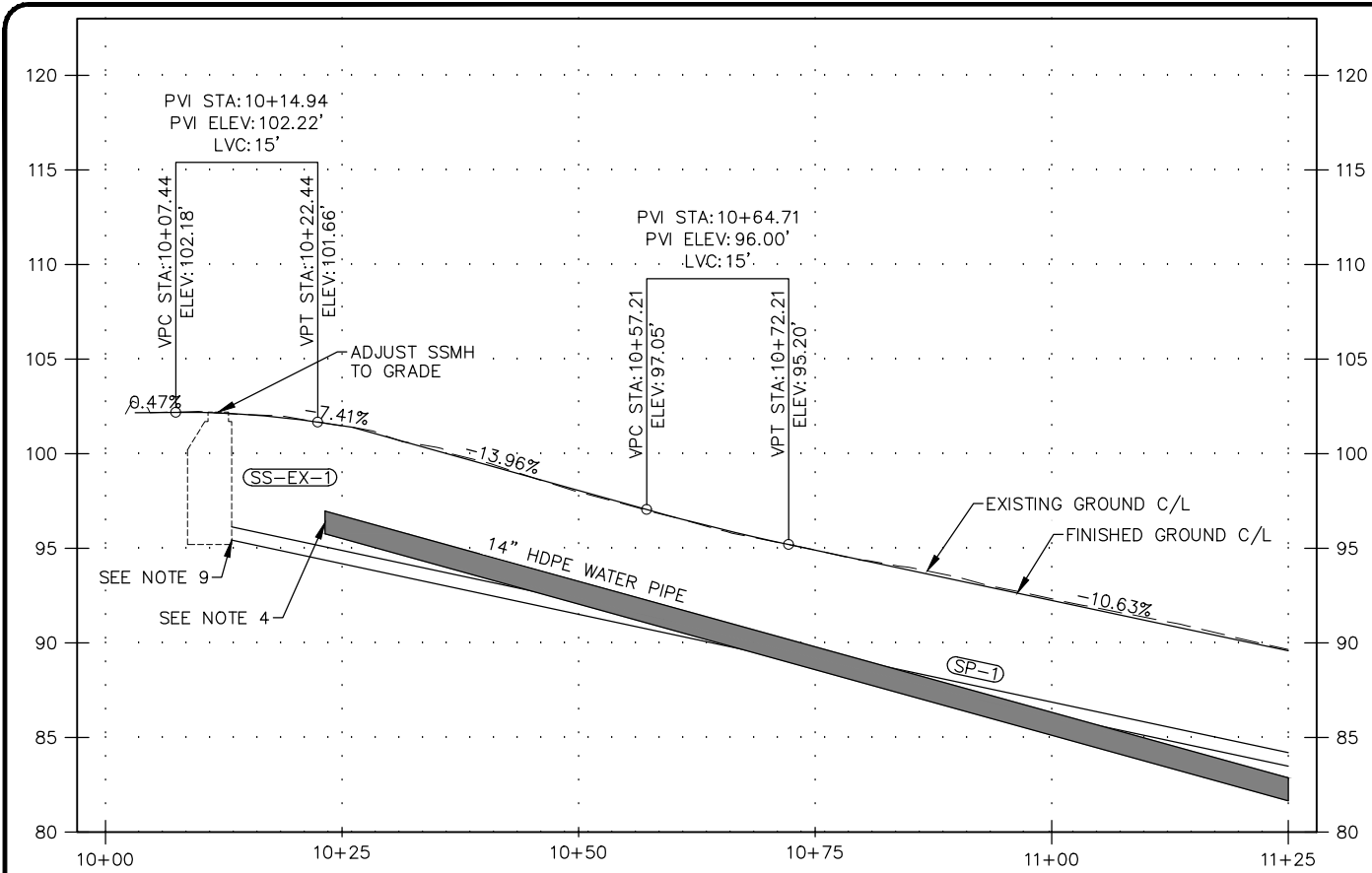
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May 23, 2018



 GARRET K. GLADSON 05/22/2018 CE 14469 REGISTERED PROFESSIONAL ENGINEER	RECORD OF REVISIONS			 proHNS LLC CERTIFICATE OF AUTHORIZATION #100662	DRAWN BY: L. CHAMBERS DESIGNED BY: L. CHAMBERS CHECKED BY: G. GLADSON DATE: May 2018 1945 ALEX HOLDEN WAY JUNEAU, AK 99801 solutions@proHNS.com www.proHNS.com	 CITY AND BOROUGH OF JUNEAU ALASKA'S CAPITAL CITY ENGINEERING & PUBLIC WORKS	SITKA STREET RECONSTRUCTION CBJ CONTRACT NO. BE18-254	PLAN - BOP TO EOP	SHEET NUMBER
									8
									OF
									10

C:\Users\lucas\Dropbox (proHNS)\Projects\Juneau\Sitka Street Reconstruction\C3D Sitka Street\Sheets\SITKA_STREET_PROFILE.dwg



SS-EX-1	MH TYPE-I
STA: 10+11.01	OFF: 0.10 LT
LID EL=	102.15
SP-EX-1 IE=	95.90
SP-1 IE=	95.70

SS-2	MH TYPE-I
STA: 12+53.71	OFF: 1.15 LT
LID EL=	67.10
SP-2 IE=	62.00
SP-3 IE=	61.90

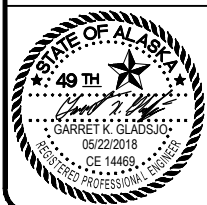
SS-1	MH TYPE-I
STA: 11+71.92	OFF: 1.01 LT
LID EL=	82.98
SP-1 IE=	78.50
SP-2 IE=	78.40

SS-EX-2	MH TYPE-I
STA: 13+40.28	OFF: 0.37 LT
LID EL=	52.88
SP-3 IE=	42.50
SP-EX-2 IE=	42.50
SP-EX-3 IE=	39.80

SANITARY SEWER PIPE SUMMARY				
PIPE ID	DIA.	LENGTH	TYPE	SLOPE
SP-1	8"	160.92	PVC	10.69%
SP-2	8"	81.36	PVC	20.16%
SP-3	8"	86.58	PVC	22.41%
SP-EX-1	8"	-	PVC	-
SP-EX-2	8"	-	PVC	-
SP-EX-3	8"	-	PVC	-
NOTE: PIPE LENGTHS ARE TO CENTER OF STRUCTURE. PIPE SLOPES ARE MEASURED TO ENDS OF PIPES.				

SHEET NOTES:

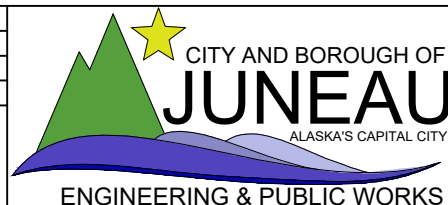
- PROFILE DATA SHOWN AT ALIGNMENT CENTER LINE.
- EXISTING WATER AND SANITARY SEWER NOT SHOWN FOR CLARITY, SEE PLAN VIEWS AND SUMMARY TABLES FOR APPROXIMATE LOCATIONS.
- PROVIDE ALL ADAPTERS, ELBOWS AND OTHER FITTINGS NECESSARY TO CONNECT TO DISSIMILAR PIPE SIZES, MATERIALS AND DEPTHS.
- FIELD LOCATE EXISTING 10" DIP WATER PIPE, INSTALL 10"x10"x10" DIP TEE, 14"x10" HDPE REDUCER AND ATTACH PROPOSED 14" HDPE WATER PIPE, SEE DETAIL 3 SHEET 4. EXTEND TRACER WIRE INTO PROPOSED 14" BV BOX. INSTALL GALVANIC ANODES PER DETAIL 1 SHEET 5.
- FIELD LOCATE EXISTING 14" DIP WATER PIPE, INSTALL 14"x12" ROMAC STAINLESS STEEL TAPPING SADDLE, 12" TAPPING VALVE, 14"x12" HDPE REDUCER AND ATTACH PROPOSED 14" HDPE WATER PIPE, SEE DETAIL 4 SHEET 4. EXTEND TRACER WIRE INTO PROPOSED 12" GV BOX. INSTALL GALVANIC ANODES PER DETAIL 1 SHEET 5.
- INSTALL TRENCH BLOCKS FOR 14" HDPE WATER PIPE AND 8" SEWER PIPE PER DETAIL 3 SHEET 5.
- MAINTAIN 18" VERTICAL SEPARATION BETWEEN PROPOSED WATER PIPE SANITARY SEWER PIPE CROSSINGS.
- MINIMUM BURIAL DEPTH FOR WATER PIPE SHALL BE 5'.
- REMOVE EXISTING SEWER PIPE AND ATTACH NEW SEWER PIPE INTO EXISTING MANHOLE PER CBJ STD. DWG. 209



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SITKA STREET RECONSTRUCTION

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PROFILE - SITKA STREET BOP TO EOP

SHEET NUMBER
9
OF
10

