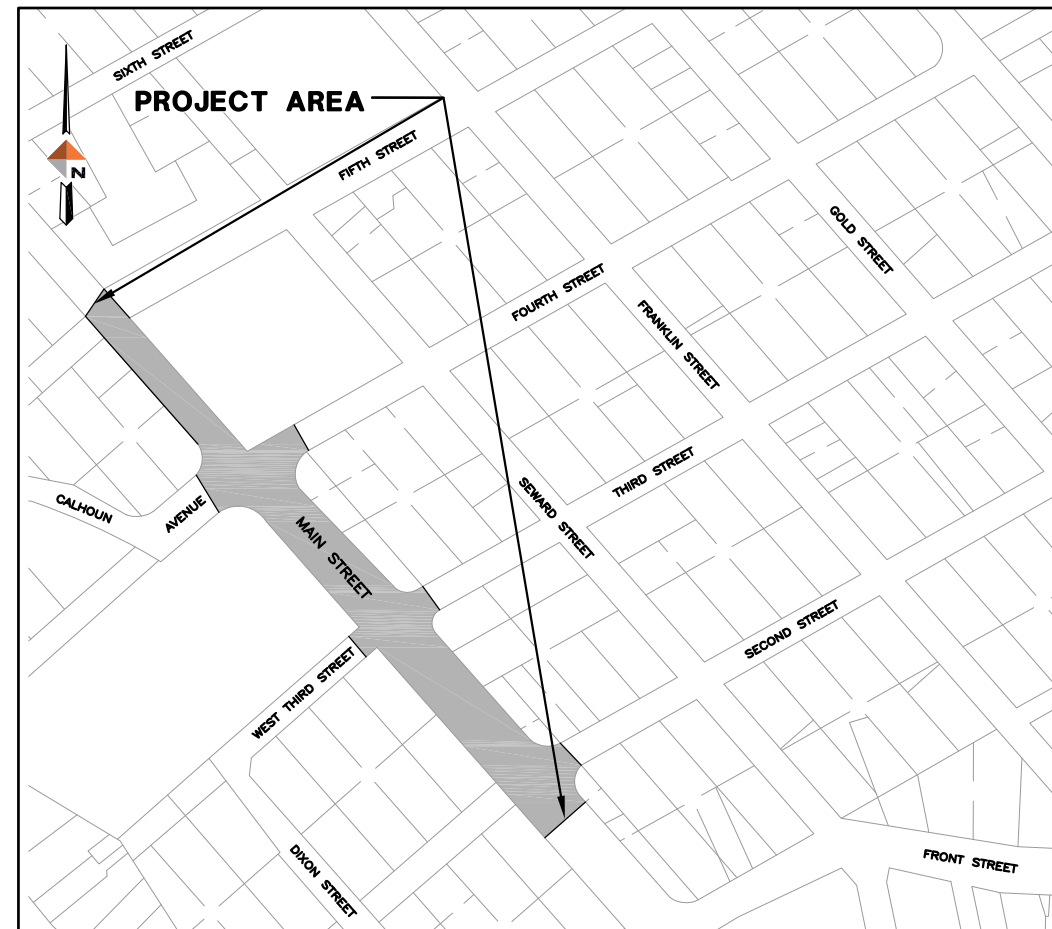


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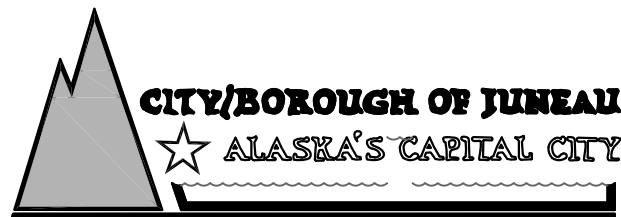
MAIN STREET, SECOND TO FIFTH STREET IMPROVEMENTS CONTRACT NO. E12-167



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LEGEND

DESCRIPTION	EXISTING	REMOVE	PROPOSED
BURIED ELECTRICAL UTILITIES CABLE TV POWER TELEPHONE LIGHTING			
CATCH BASIN			
CONCRETE ENCASEMENT			
CONTROL POINT			
CURB & GUTTER			
DETECTABLE TILE			
FIRE HYDRANT			
PROJECT CONTROL LINE			
PROPERTY LINE			
POWER POLE			
SANITARY SEWER PIPE			
SANITARY SEWER MANHOLE			
STORM DRAIN PIPE			
STORM DRAIN MANHOLE			
SURVEY MONUMENT			
WATER PIPE			
WATER VALVE BOX			
UTILIWALK			

ABBREVIATIONS

AC	ASPHALT PAVING
BOP	BEGINNING OF PROJECT
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
CONC	CONCRETE
CTE	CONNECT TO EXISTING
DI	DUCTILE IRON
DIA	DIAMETER
DTC	DOWNTOWN TRANSPORTATION CENTER
EOP	END OF PROJECT
FG	FINISHED GRADE
INV	INVERT
LG	LIP OF GUTTER
LT	LEFT
MH	MANHOLE
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE PIPE
RT	RIGHT
SHLD	SHOULDER
STA	STATION
STD	STANDARD
TBC	TOP BACK CURB
TOC	TOP OF CONCRETE
TP	TOP OF PAVEMENT
TSW	TOP OF SIDEWALK

ABBREVIATIONS TO BE USED WITHOUT PERIODS

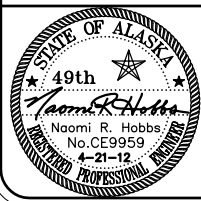
GENERAL NOTES (cont.)

- THE CONTRACTOR SHALL NOTIFY CBJ WATER UTILITIES AT 780-6808 OF PROPOSED WATER MAIN INTERRUPTION AND SUBMIT THE "WATER SYSTEM SPECIAL USE PERMIT" (COSIGNED BY THE ENGINEER) AT LEAST ONE WEEK PRIOR TO SHUTDOWN OF MAINLINE WATER PIPE.
- PROPERTY LINE LOCATIONS USED IN THESE PLANS ARE DERIVED FROM RECORD PLATS AND DO NOT REPRESENT BOUNDARY SURVEY. EXISTING RECORD PLATS DO NOT CLOSE WITH EACH OTHER IN SOME CASES. THE PROPERTY LINES SHOWN ON THESE PLANS ARE A BEST FIT APPROXIMATION OF CLOSURE.
- PROVIDE KNOCKOUTS IN CATCH BASINS FOR ALL PIPES SHOWN ON THE PLANS.
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER AND SEWER PIPES, INCLUDING ALL SERVICES ALONG THE STORM DRAIN ALIGNMENT, TO DETERMINE PIPE INSULATION LOCATIONS, AND TO ENSURE DAMAGE DOES NOT OCCUR TO THE SERVICE PIPES.
- SEWER SERVICE LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO DETERMINE ACTUAL SERVICE PIPE DEPTHS AND LOCATIONS.
- ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL SITE, EXCEPT AS NOTED IN THE CONTRACT DOCUMENTS.
- SAWCUT AS NECESSARY ALONG ALL DRIVEWAY APPROACHES TO PROVIDE NEAT MATCH LINE.
- CONTRACTOR SHALL REFERENCE ALL EXISTING PROPERTY CORNER MONUMENTS (I.E. REBARS, CONCRETE NAILS, BRASS CAP MONUMENT AND ETC.) PRIOR TO CONSTRUCTION AND REMONUMENT AFTER SURFACING IS REPLACED. ALL WORK SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN ALASKA REGISTERED LAND SURVEYOR.
- ALL ASPHALT PAVEMENT TO BE REMOVED AND DISPOSED OF SHALL BE DELIVERED TO A STOCKPILE AREA AT THE LEMON CREEK CITY PIT TO BE DESIGNATED BY THE ENGINEER. CONTACT THE ENGINEER FOR THE EXACT LOCATION OF THE STOCKPILE.
- AEL&P, ACS, AND GCI MAY CONDUCT WORK WITHIN THE PROJECT LIMITS TO RELOCATE UTILITIES AND UPGRADE THEIR RESPECTIVE SYSTEMS. THE CONTRACTOR SHALL COORDINATE ITS ACTIVITIES WITH EACH UTILITY COMPANY AND PROVIDE ACCESS AS NECESSARY FOR UTILITY COMPANIES TO CONDUCT THEIR WORK.
- ONLY HORIZONTAL ELBOW FITTINGS (BENDS) ARE SHOWN ON PLANS. ADDITIONAL FITTINGS WILL BE REQUIRED FOR VERTICAL DEFLECTIONS NEAR CONNECTIONS TO EXISTING PIPES, AND AT OTHER LOCATIONS REQUIRING GRADE CHANGES TO AVOID CONFLICTS.
- THE CONTRACTOR SHALL RESTRICT ITS COMPACTION AND OTHER VIBRATION INDUCING OPERATIONS AS NECESSARY TO ASSURE NO DAMAGE OCCURS TO ADJACENT BUILDINGS OR STRUCTURES. REFER TO SECTION 01530, ARTICLE 1.7 FOR FURTHER REQUIREMENTS.
- THE PLAN SHEETS DO NOT SHOW MOST OF THE TREES AND OTHER VEGETATION THAT WILL BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES.
- NO TREES OR OTHER VEGETATION ARE TO BE REMOVED OR DAMAGED, UNLESS SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATIVE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED ON PRIVATE PROPERTY, WITHOUT WRITTEN APPROVAL OF THE PROPERTY OWNER.
- THE USE OF GROUT AND QUICKSET CEMENT PRODUCTS WITH ADJUSTING RINGS, BRICKS, WOOD, STONES AND OTHER SIMILAR GRADE ADJUSTMENT DEVICES TO SUPPORT UTILITY VAULT LIDS AND CATCH BASIN FRAMES OVER CATCH BASINS AND MANHOLES WILL NOT BE PERMITTED ON THIS PROJECT. SEE THE DRAWINGS AND SECTION 02502 - STORM SEWER MANHOLES, INLETS AND CATCH BASINS FOR CATCH BASIN SUPPORT REQUIREMENTS.
- ALL CONTOURS SHOWN ON THE DRAWINGS ARE EXISTING CONTOURS. FINISH GRADES SHALL BE AS INDICATED ON THE DRAWINGS, AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL ARRANGE FOR ELECTRICAL UTILITY LOCATES PRIOR TO ANY EXCAVATION. UNDERGROUND ELECTRICAL UTILITIES, IF SHOWN ON THE DRAWINGS, INDICATE THEIR EXISTENCE ONLY, AND MAY NOT SHOW THE ACTUAL LOCATION. OTHER BURIED ELECTRICAL UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THE DRAWINGS. DIAL BEFORE YOU DIG AT 586-1333.
- WATER PIPES WILL BE REQUIRED TO BE INSTALLED WITH MORE THAN 60 INCHES OF COVER IN AREAS WHERE STORM DRAINAGE PIPES ARE CLOSE TO OR BELOW A DEPTH OF 60 INCHES TO INVERT. DEPTHS OF ALL STORM DRAINAGE PIPES SHALL BE DETERMINED PRIOR TO INSTALLING WATER PIPES TO ENSURE CONFLICTS BETWEEN THESE PIPES DO NOT OCCUR. A MINIMUM CLEARANCE OF 12" SHALL BE OBTAINED BETWEEN WATER AND OTHER PIPES.
- THE CONTRACTOR SHALL PROVIDE TOP OF WATER PIPE ELEVATIONS TO THE ENGINEER AT A MAXIMUM SPACING OF 50 FEET AND AT ALL GRADE BREAKS PRIOR TO BACKFILLING OVER THE PIPE. IF THE PIPE IS BACKFILLED PRIOR TO PROVIDING THESE TOP OF PIPE ELEVATIONS, THE PIPE SHALL BE EXPOSED AND THE TOP OF PIPE SURVEYED AT THE CONTRACTOR'S OWN EXPENSE.
- SEWER SERVICES SHALL BE INSTALLED AT A 2% GRADIENT FROM THE MAIN TO WITHIN 4 FEET OF THE CONNECTION TO EXISTING PIPE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- UTILITY LOCATIONS SHALL BE DETERMINED ON SITE BY THE ENGINEER PRIOR TO INSTALLATION.
- EXISTING 10"CI WATER PIPE AND 15"AC SEWER PIPE WERE ABANDONED IN PLACE DURING THE 1974 DOT RECONSTRUCTION PROJECT AND ARE NOT SHOWN ON THE PLANS. THESE CONDUITS MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE NEW WATER AND SEWER MAINS.
- EXISTING SPRINKLER AND DOMESTIC SYSTEMS SHALL BE MAINTAINED AT ALL TIMES WITH PRESSURE AND VOLUME EQUAL TO, OR GREATER THAN EXISTING, EXCEPT FOR THE TIMES REQUIRED FOR DISCONNECTION AND RECONNECTION OF THE WATER SUPPLY. SCHEDULING AND DURATION OF WATER SUPPLY INTERRUPTIONS FOR FIRE SERVICE AND DOMESTIC SERVICE DISCONNECTIONS AND RECONNECTIONS SHALL BE AS APPROVED BY THE ENGINEER.

GENERAL NOTES

- BEGIN SUBCUT AT 24 INCHES FROM PAVEMENT SAWCUT LINE AT STREET CONNECTIONS. REMOVE AND REPLACE BASE COURSE WITHIN 12 INCHES FROM PAVEMENT SAWCUT LINE.
- LARGE BOULDERS, LOGS, ORGANICS AND GROUND WATER MAY BE ENCOUNTERED AT VARIOUS DEPTHS DURING EXCAVATION OPERATIONS.
- CONTRACTOR SHALL ENSURE GARBAGE PICKUP, BUS SERVICE, AND DAILY MAIL SERVICE WILL BE UNINTERRUPTED TO ALL RESIDENCES AFFECTED BY THIS PROJECT.
- CBJ ENGINEERING STANDARD DETAILS BOOK DATED AUGUST, 2011 IS MADE PART OF THIS CONTRACT, WITH CURRENT REVISIONS AS APPLICABLE.
- ALL EXISTING STORM DRAIN PIPES (6 INCH DIAMETER AND LARGER), AND APPURTENANCES (TO BE ABANDONED) THAT ARE WITHIN THE STREET AND SIDEWALK LIMITS, SHALL BE REMOVED AND DISPOSED OF, UNLESS OTHERWISE NOTED.
- EXISTING PIPE LOCATIONS ARE DERIVED FROM CBJ AS-BUILTS OR FIELD LOCATED. ACTUAL LOCATIONS MAY VARY FROM THOSE SHOWN. DEPTH OF THE EXISTING PIPES SHOWN ON THE ELEVATIONS ARE ASSUMED. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EACH EXISTING SERVICE PIPE PRIOR TO INSTALLING THE RESPECTIVE SEWER, WATER OR STORM MAIN. DIAL BEFORE YOU DIG 586-1333.
- GRADING AND ALIGNMENT ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
- LOCATION OF STORM CATCH BASINS, PIPING AND PIPE LENGTHS ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER. STATION AND OFFSET INFORMATION GIVEN FOR STRUCTURES IS TO THE CENTER OF STRUCTURE.

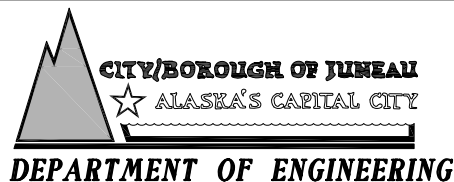
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**MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

**LEGEND, ABBREVIATIONS,
AND GENERAL NOTES**

SHEET NO.
G.102
2 OF **44**

GENERAL NOTES

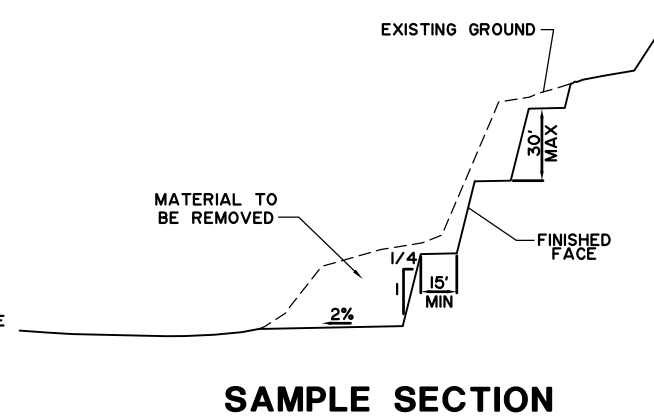
- ALL INDIVIDUAL MINING PLANS SHALL BE APPROVED, IN WRITING, BY THE OWNER PRIOR TO CLEARING OR EXCAVATION.
- ALL OVERBURDEN SHALL BE REMOVED TO A MINIMUM DISTANCE OF 15' FROM THE FINISHED WORKING FACE.
- THE CUTBANK OF THE OVERBURDEN SHALL BE SLOPED TO THE NATURAL ANGLE OF REPOSE, BUT SHALL BE NO STEEPER THAN 1 TO 1.
- ALL DEAD TREES AND SNAGS WHICH ARE SUFFICIENTLY TALL TO REACH THE WORK AREA SHALL BE FELLED.
- ALL OVERBURDEN, CLEARING, MERCHANTABLE TIMBER AND GRUBBING DEBRIS SHALL BE DISPOSED OF ON SITE, AS DIRECTED BY THE QUARRY MANAGER.
- THE QUARRY SHALL BE LEFT IN A NEAT, ORDERLY AND WELL DRAINED CONDITION. ALL OVERHANGS AND LOOSE ROCK SHALL BE REMOVED.
- AFTER EXCAVATION IS COMPLETE, THE AREA SHALL BE CLEANED UP AND LEFT AS SHOWN ON THE QUARRY USAGE PLAN.
- ALL MATERIALS LEAVING THE QUARRY LIMITS SHALL BE CONTAINED WITHIN THE HAULING VEHICLE.
- APPROXIMATE LIMITS OF DEVELOPMENT SPECIFIC TO THIS PROJECT WILL BE FIELD STAKED BY THE CITY.
- THE MATERIALS WITHIN THE QUARRY THAT ARE MADE AVAILABLE TO THE CONTRACTOR FOR THIS PROJECT, MAY NOT MEET THE MATERIAL SPECIFICATIONS FOR THIS PROJECT WITHOUT PROCESSING EFFORTS BY THE CONTRACTOR. THESE EFFORTS MAY INCLUDE, BUT ARE NOT LIMITED TO, SCREENING AND SORTING AND PRIMARY CRUSHING.
- MATERIAL STOCKPILED OFF-SITE MUST HAVE PRIOR APPROVAL OF THE PROJECT MANAGER.
- ALL THE REQUIREMENTS AND CONDITIONS OF CONDITIONAL USE PERMIT NUMBER USE2011-0017 AND PAST APPROVED VARIANCES (VAR96-52, VAR2000-37, VAR2001-17, AND VAR2008-6) SHALL BE MET. IN PARTICULAR, NOTE THE CONDITIONS WITH REGARD TO THE EAGLE TREES, BLASTING, NOISE MANAGEMENT PLAN AND TRAFFIC CONTROL.
- THE CONTRACTOR SHALL COORDINATE EXTRACTION ACTIVITY WITH OTHER CONTRACTORS WHO MAY BE USING THE SITE.
- COMPRESSION BRAKES SHALL BE USED ONLY AS NECESSARY FOR SAFETY AND SHALL MEET THE REQUIREMENTS OF THE NOISE MANAGEMENT PLAN.
- ALL QUARRY OPERATIONS SHALL BE RESTRICTED TO THE FOLLOWING TIME PERIODS: MONDAY THROUGH FRIDAY FROM 8:00 AM - 4:30 PM ALL YEAR EXCEPT STATE HOLIDAYS. BLASTING IS RESTRICTED TO 10:00 AM - 12:00 PM AND 1:00 PM - 3:00 PM, MONDAY THROUGH FRIDAY.
- MARCH 1 THROUGH MAY 31 IS AN EAGLE NESTING PERIOD. NO BLASTING WITHIN 330'. BLASTING IS ALLOWED AFTER MAY 31 WITH AN EAGLE MONITOR PRESENT. IF NEST IS NOT OCCUPIED, A MONITOR IS NOT REQUIRED. DRILLING IS ALLOWED OUTSIDE OF THE 330' ZONE.
- AREA SURVEYED DEC 2011.
- THE CONTRACTOR SHALL SUBMIT A \$10,000 CASH BOND FOR CRUSHING WITHIN THE QUARRY PROJECT MINING AREA.
- ACCESS TO OTHER MINING AREAS MUST BE MAINTAINED THROUGH THE EXCAVATION MINING AREA.
- THE PULL OUT ADJACENT TO THE QUARRY ENTRANCE NEAR GLACIER HWY IS FOR EQUIPMENT TRANSFER ONLY. TRANSFER OPERATIONS SHALL OCCUR OUTSIDE THE ROADWAY CLEAR ZONE. ACCESS TO THE PULL OUT AREA SHALL BE LIMITED TO RIGHT IN AND RIGHT OUT TURNS ONLY. NO TEMPORARY OR LONG TERM EQUIPMENT STAGING WILL BE ALLOWED.
- THE CONTRACTOR SHALL READ, UNDERSTAND, AND COMPLY WITH THE CONDITIONS OF THE MULTI SECTOR GENERAL PERMIT (MSGP) FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES, AND SHALL READ, UNDERSTAND, AND AGREE IN WRITING TO COMPLY WITH THE REQUIREMENTS OF THE STABLER QUARRY STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- THE CONTRACTOR SHALL CONTROL DUST CAUSED BY EXCAVATION, CRUSHING, HAULING, AND OTHER OPERATIONS WITHIN THE QUARRY.
- ROAD CLEANING: THE CONTRACTOR SHALL REMOVE ALL SPILLED OR TRACKED MATERIAL FROM THE PUBLIC ROADWAY IMMEDIATELY. THE CONTRACTOR SHALL CLEAN MUD AND DEBRIS TRACKED ONTO THE PUBLIC ROAD DAILY FOR 200 YARDS EACH SIDE OF THE QUARRY ENTRANCE ANY DAY THAT HAULING OCCURS. (THE INDIVIDUAL MINING PLAN NEEDS TO OUTLINE HOW THE CONTRACTOR WILL CARRY THIS OUT.) THE CONTRACTOR SHALL POST A BOND OR EQUIVALENT IF PROJECT BASED TO ENSURE THE HIGHWAY IS KEPT CLEAN.

INDIVIDUAL MINING PLAN

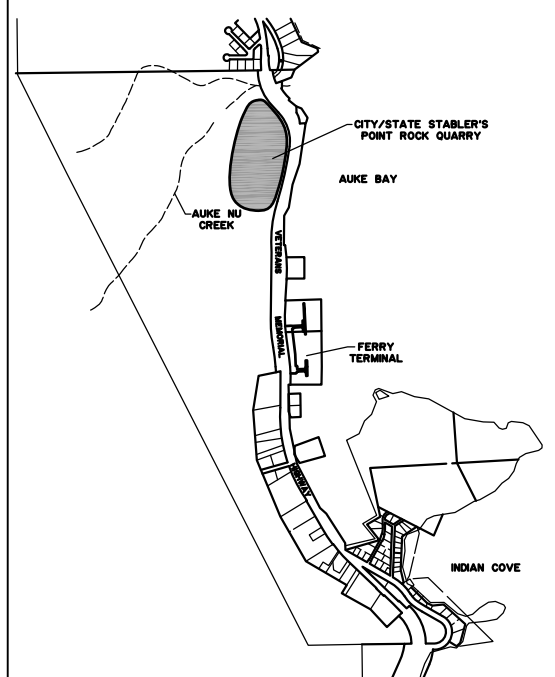
THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE OWNER PRIOR TO BEGINNING ANY OPERATIONS WITHIN THE QUARRY LIMITS.

OPERATIONS SHALL NOT PROCEED UNTIL THE CONTRACTOR'S INDIVIDUAL MINING PLAN HAS BEEN APPROVED BY THE CITY.

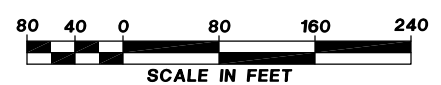
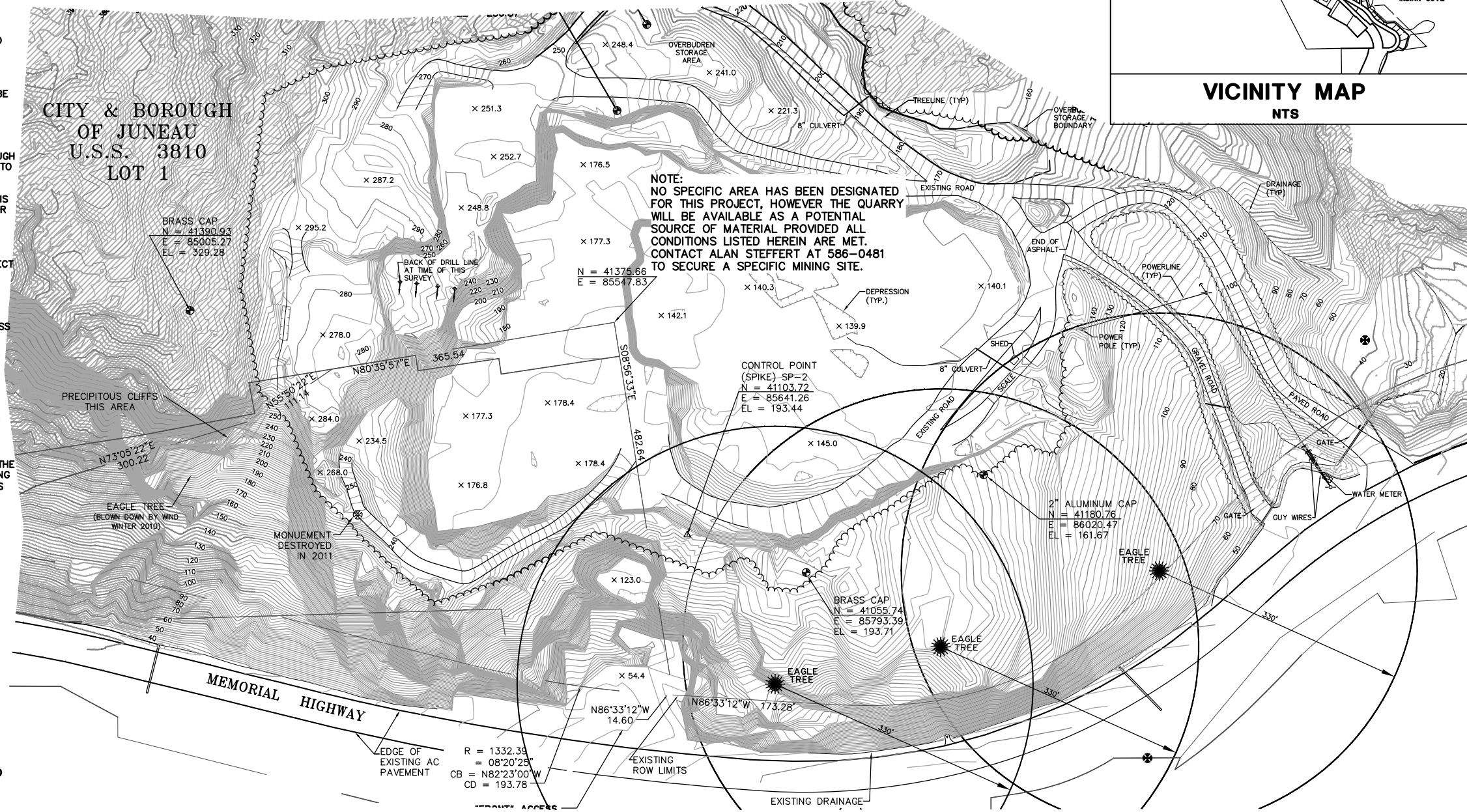
- MINING PLAN - INCLUDE PLANNED TOTAL EXCAVATION QUANTITY, PLANNED SECTION (SEE SAMPLE CROSS SECTION A-A), EXCAVATION LIMITS, CLEARING AND GRUBBING LIMITS.
- NOISE CONTROL PLAN AND EQUIPMENT SOUND CERTIFICATIONS.
- TRAFFIC CONTROL PLAN (TCP): CONTRACTOR SHALL COMPLY WITH THE EXISTING DOT/PF APPROVED STABLER TOP FOR BLASTING OPERATIONS, QUARRY ACCESS, AND WORK WITHIN THE DOT/PF ROW, OR OBTAIN THEIR OWN TCP FROM DOT/PF.
- ALL CONTRACTOR INDIVIDUAL MINING PLANS FOR REMOVAL OF MATERIAL FROM THE QUARRY SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER LICENSED TO PRACTICE IN THE STATE OF ALASKA.
- EACH TRUCK SHALL RECORD ITS LOAD WEIGHT ON A CBJ SCALE TICKET PRIOR TO LEAVING THE QUARRY.
- THE MANAGEMENT FEE FOR MATERIAL IS \$1.67/TON.
- ALL CONTRACTORS MUST BE IN GOOD STANDING WITH THE CITY AND BOROUGH OF JUNEAU.
- ALL MATERIAL FEES SHALL BE PAID PRIOR TO FINAL PAYMENT.
- IF THE CONTRACTOR ELECTS TO USE THIS MATERIAL SOURCE FOR THIS PROJECT, ESTIMATES OF QUANTITIES AND A MINING PLAN MUST BE SUBMITTED WITHIN TWO WEEKS OF NOTICE TO PROCEED.



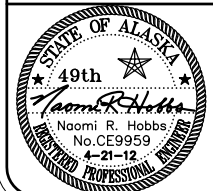
SAMPLE SECTION



VICINITY MAP
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CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

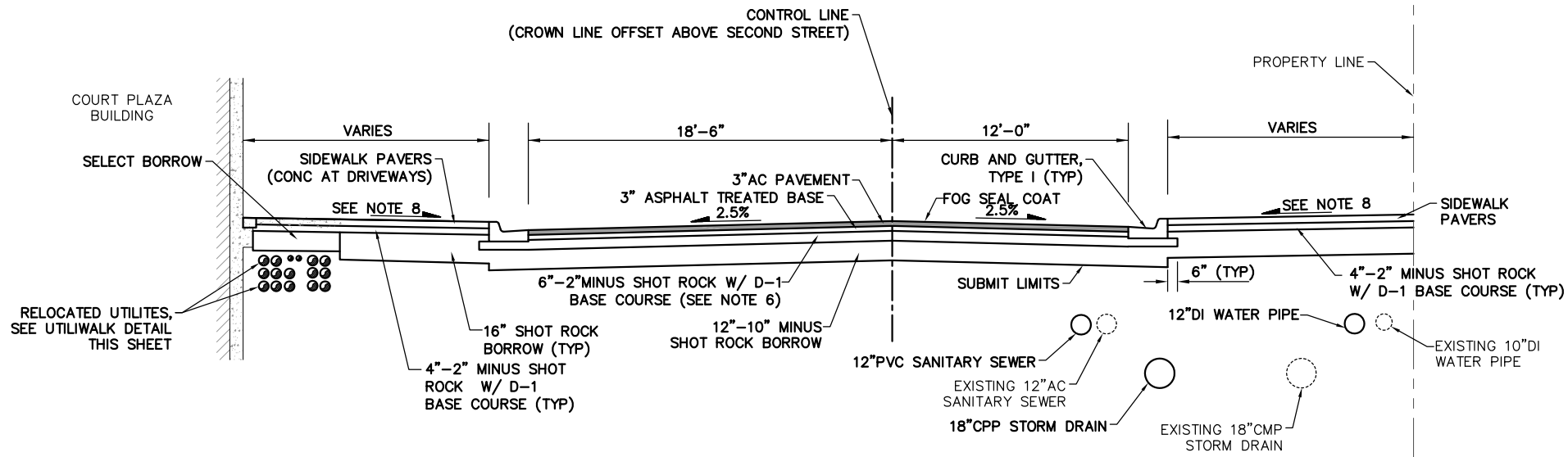
DEPARTMENT OF ENGINEERING

MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167

STABLERS POINT
QUARRY USAGE PLAN

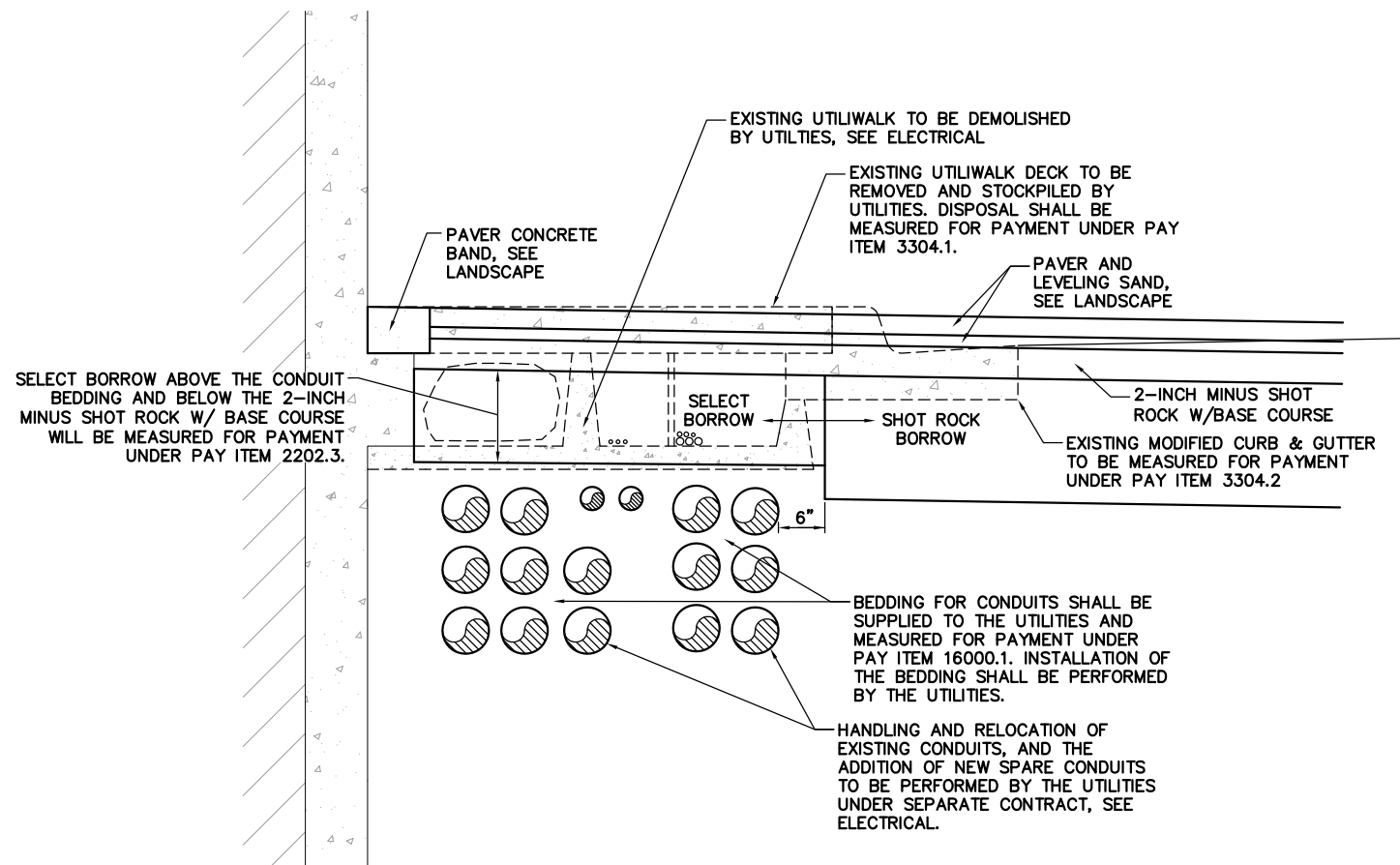
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**MAIN STREET - SECOND STREET TO THIRD STREET
TYPICAL SECTION**

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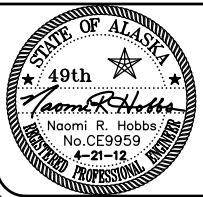


UTILIWALK DETAIL

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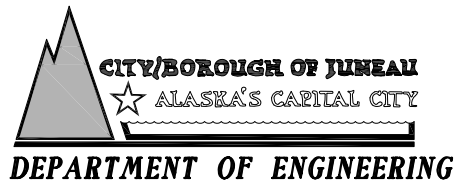
1. SUBCUT DEPTH IS SUBJECT TO REVISION BY THE ENGINEER, DEPENDENT ON EXISTING SUBSURFACE CONDITIONS. IF ORGANIC OR OTHER UNSUITABLE MATERIALS ARE FOUND TO EXIST AT OR NEAR THE PLANNED SUBCUT LEVEL, ADDITIONAL EXCAVATION AND BACKFILL MAY BE REQUIRED. ALL MATERIALS, INCLUDING BOULDERS, SHALL BE REMOVED TO THE DEPTHS REQUIRED FOR THE ROADWAY SUBCUT AND FOR ALL PIPING.
2. ACCESS RAMPS SHALL CONFORM TO CBJ STANDARD 105 REGARDING TRANSITIONS FOR THE DEPRESSED SIDEWALK.
3. DRIVEWAY RAMPS SHALL CONFORM TO CBJ STANDARD 105 REGARDING TRANSITIONS FOR THE DEPRESSED SIDEWALK. SEE DRAWINGS FOR CROSS SLOPE DETAILS.
4. ACTUAL TOP OF PAVEMENT SHALL BE 1/4 INCH - 3/8 INCH ABOVE TOP EDGE OF CONCRETE GUTTER AND TOP OF PAVEMENT ELEVATIONS AS GIVEN ON THE PLAN GRADE SHEETS, EXCEPT THE TOP OF PAVEMENT SHALL BE FLUSH AT EDGE OF SPILL GUTTERS.
5. GRADE TOP OF CURB AT 2% TOWARD GUTTER.
6. THIS LAYER SHALL BE 4" TO 5" OF 2" MINUS SHOT ROCK WITH 1" TO 2" OF BASE COURSE, GRADING D-1 FOR A TOTAL THICKNESS OF 6".
7. STABILIZATION FABRIC IS A CONTINGENCY ITEM AND WILL ONLY BE USED IN THOSE AREAS TO BE DETERMINED BY THE ENGINEER.
8. CROSS SLOPES SHALL BE 1.7%, UNLESS OTHERWISE NOTED ON THE DRAWINGS, OR OTHERWISE DIRECTED BY THE ENGINEER.



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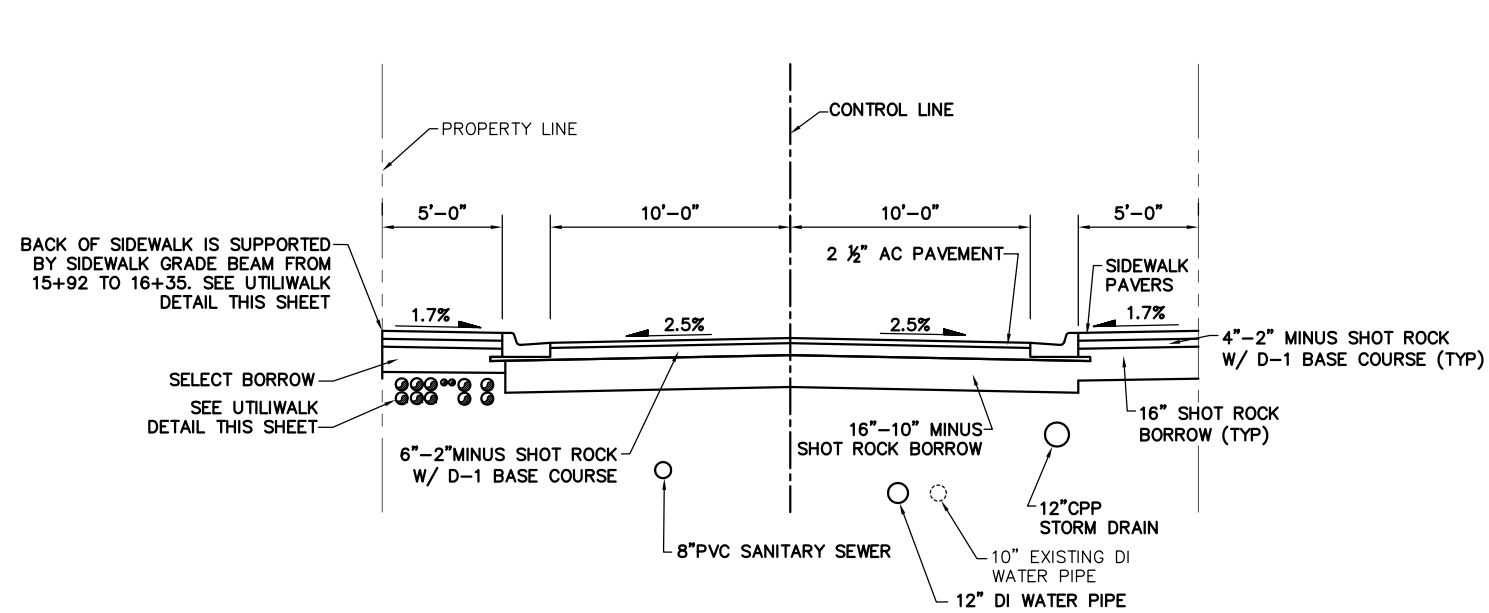
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**MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

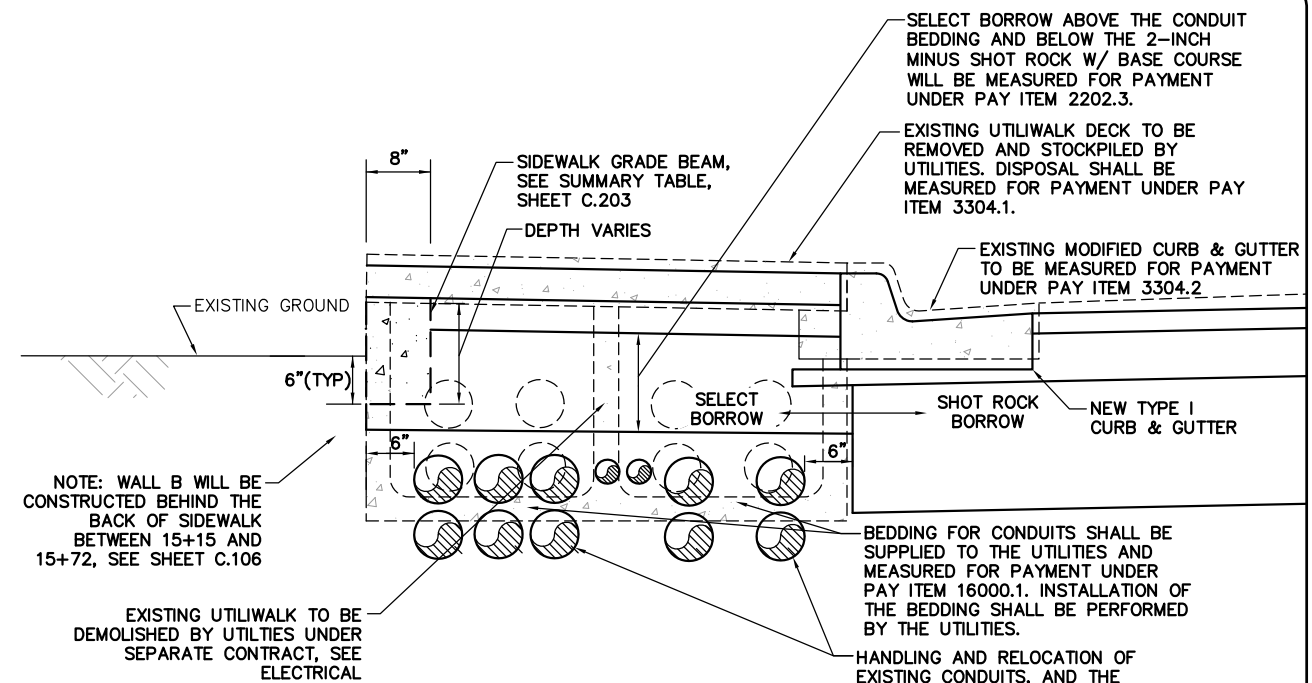
TYPICAL SECTIONS AND DETAILS

SHEET NO.
C.101
4 OF **44**



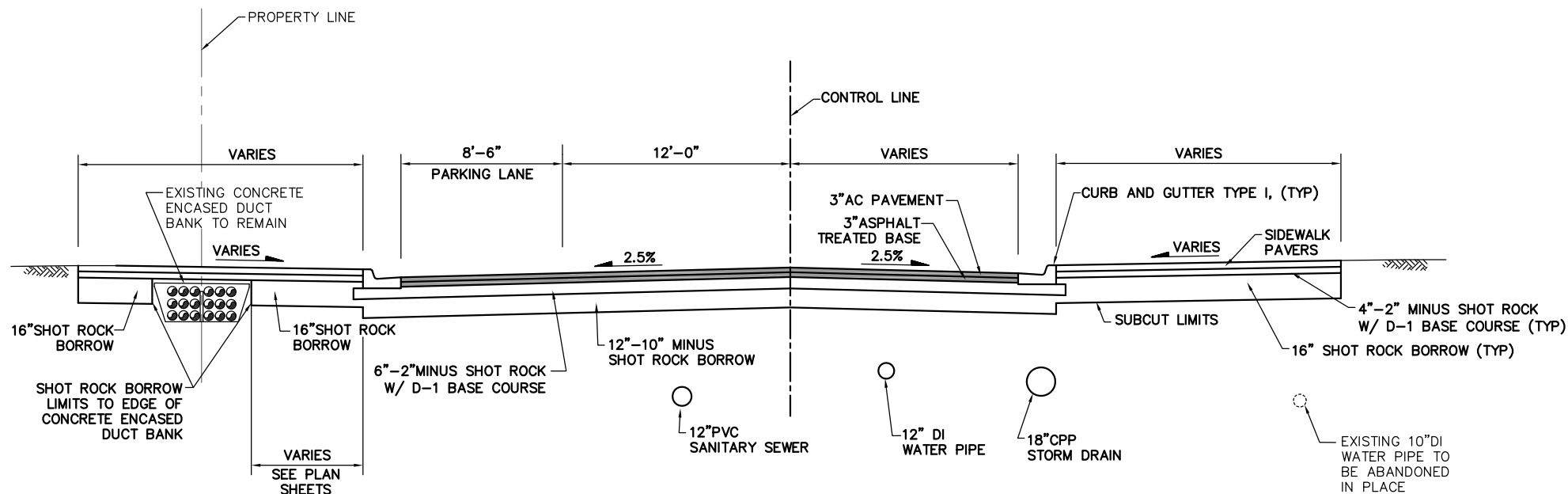
**MAIN STREET - FOURTH STREET TO FIFTH STREET
TYPICAL SECTION - BEGINNING AT STA 15+25**

NTS



**TYPICAL UTILIWALK DETAIL
FOURTH STREET TO FIFTH STREET**

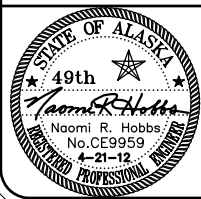
NTS



**MAIN STREET - THIRD STREET TO FOURTH STREET
TYPICAL SECTION**

NTS

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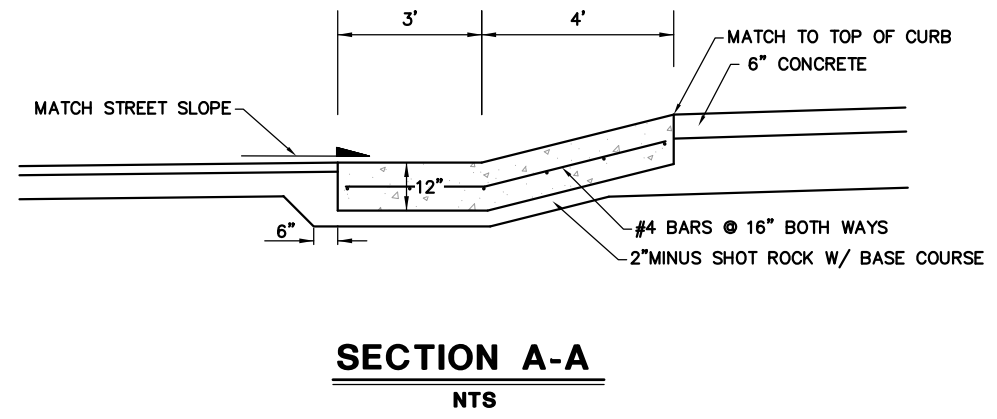
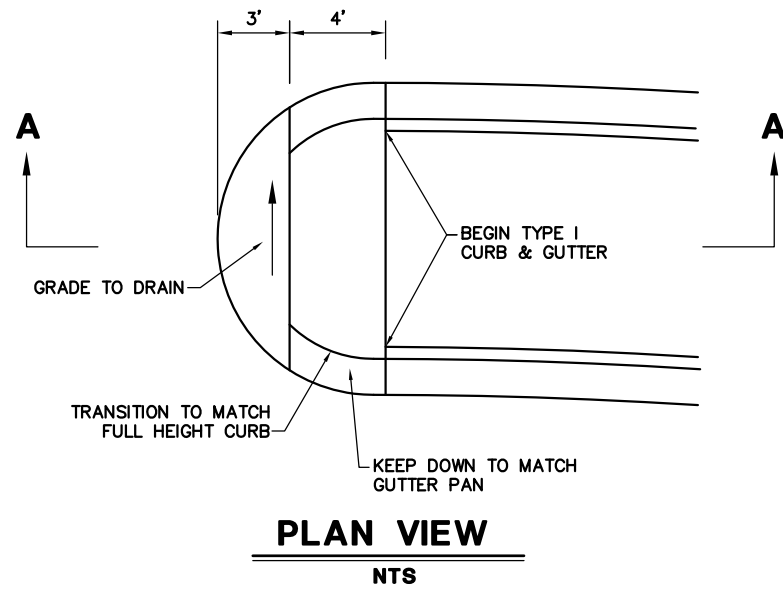
**MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

TYPICAL SECTIONS AND DETAILS

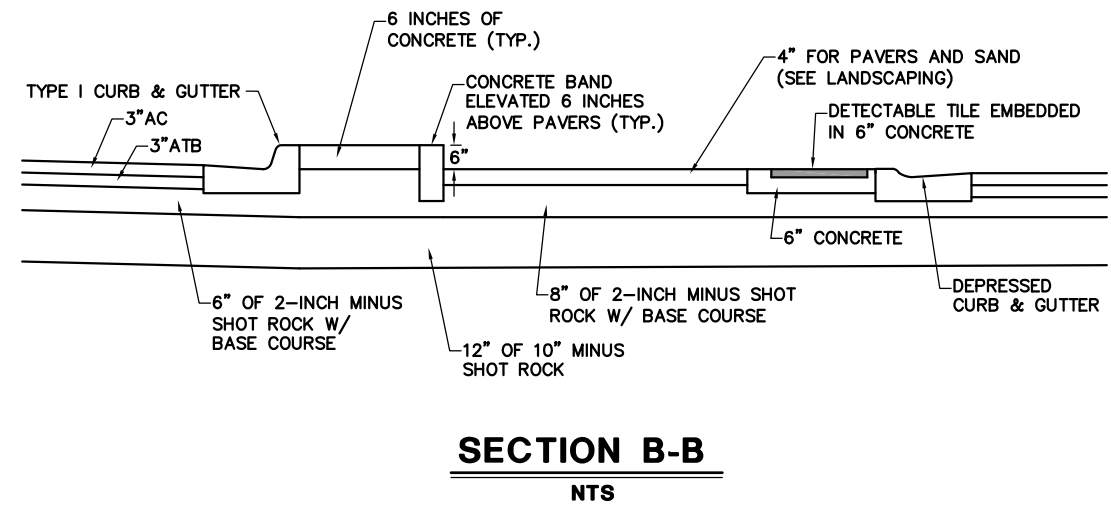
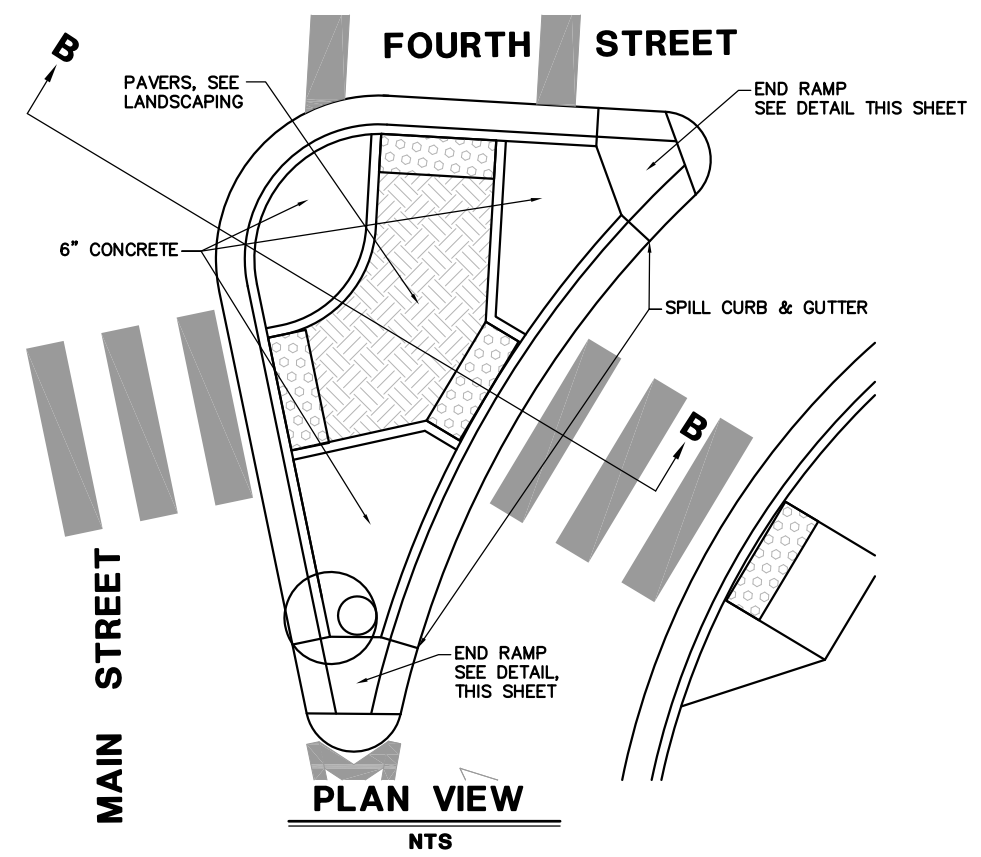
SHEET NO.
C.102
5 OF **44**

JOB NO: J70456 DRAWN BY: STAFF DESIGNED BY: T. LOCKHART CHECKED BY: N. HOBBS DATE: APRIL 2012

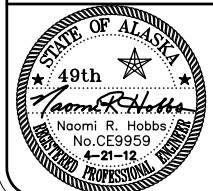
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TRAFFIC ISLAND END RAMP
NTS



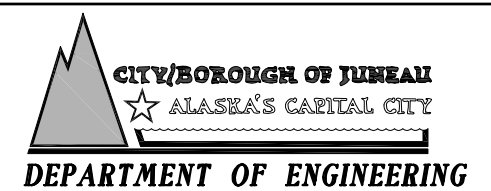
TRAFFIC ISLAND DETAIL
NTS



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JOB NO: J70456 | DRAWN BY: STAFF | DESIGNED BY: T. LOCKHART | CHECKED BY: N. HOBBS | DATE: APRIL 2012



**MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

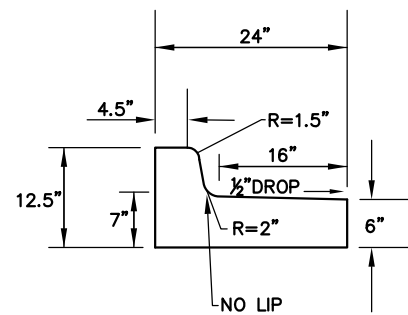
TRAFFIC ISLAND DETAILS

SHEET NO.
C.103
6 OF 44

CATCH BASIN FRAME AND GRATE TABLE

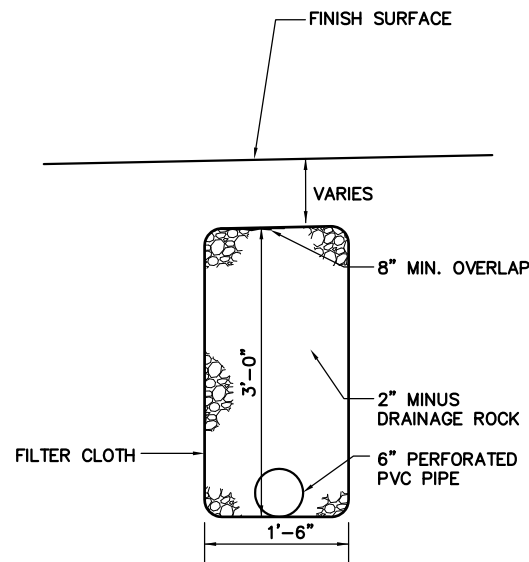
CATCH BASIN No.	EAST JORDAN IRON WORKS, OLYMPIC FOUNDRY CO., CBJ STANDARD No., OR APPROVED EQUAL
CB-1	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-2	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-3	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-4	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-5	TRENCH DRAIN, SEE C.301
CB-6	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-7	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-8	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-9	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-10	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-11	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-12	OF MH34SC SOLID COVER
CB-13	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-14	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-15	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-16	OF SM18
CB-17	EJW 7701 T2 HOOD W/ 7700 M2 GRATE
CB-18	EXISTING TO REMAIN

CATCH BASIN TOP SLAB OPENINGS SHALL BE DIMENSIONED TO FIT THE FRAME DIMENSIONS. ALL COVERS SHALL BE HEAVY DUTY CONSTRUCTION AND BICYCLE SAFE. ALL FRAMES AND GRATES SHALL BE DUCTILE IRON.



SPILL CURB AND GUTTER

NTS

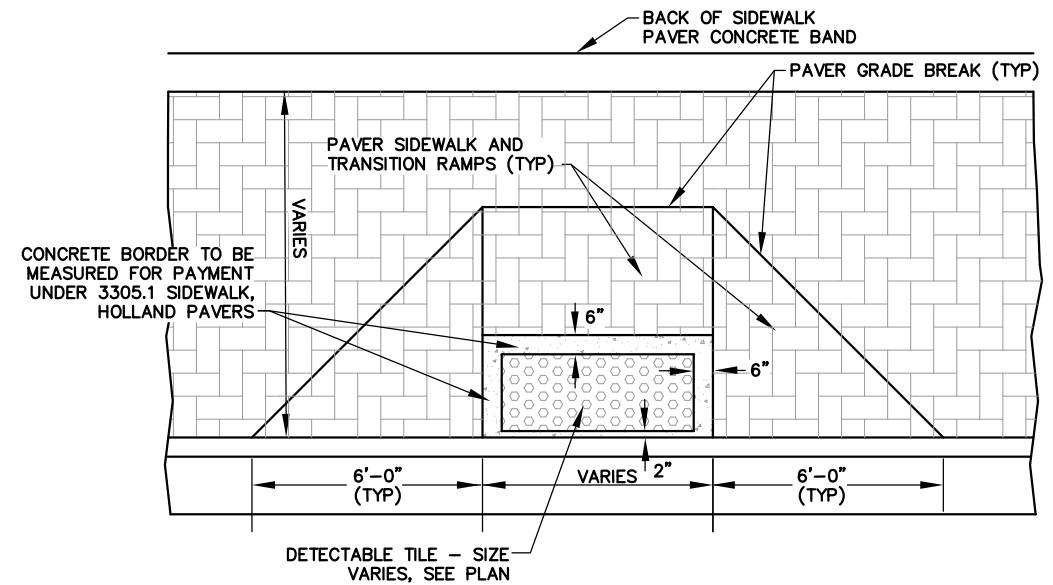


NOTES

- 6-INCH UNDERDRAIN IS A CONTINGENCY ITEM, AND SHALL BE INSTALLED AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- OUTFALL CONNECTIONS WILL BE EITHER INTO CATCH BASINS OR CPP SADDLE TEES.
- UPPER END OF PIPES SHALL BE CAPPED AND THE FILTER CLOTH FOLDED AND OVERLAPPED TO SEAL END OF DRAINAGE ROCK SECTION.

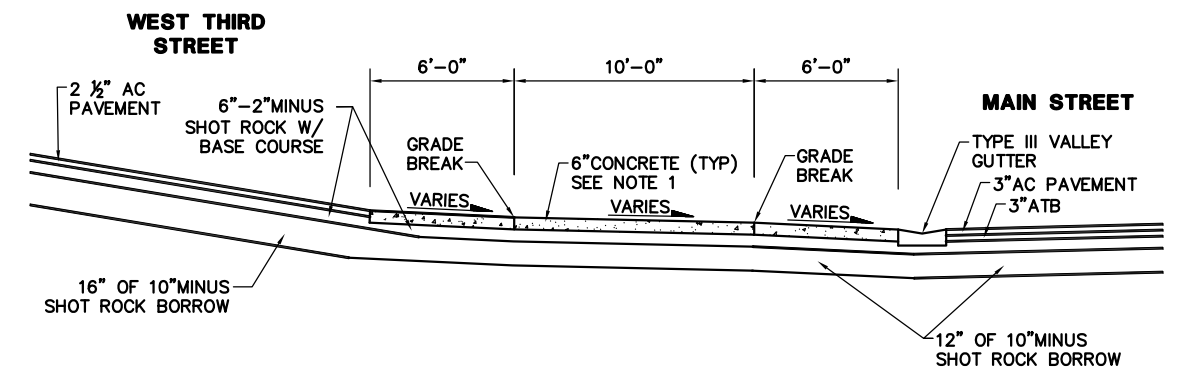
6-INCH UNDERDRAIN

NTS



PEDESTRIAN ACCESS RAMP

NTS



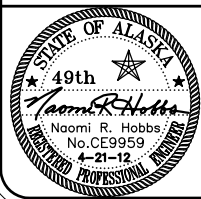
TYPICAL SECTION RAISED CROSSWALK

NTS

NOTES:

- CUT LONGITUDINAL CONTRACTION JOINTS AT CENTERLINE AND AT CENTER OF EACH WEST THIRD DRIVING LANE AND CUT TRANSVERSE CONTRACTION JOINTS AT BOTH CROSSWALK GRADE BREAKS.

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SECOND TO FIFTH STREET
CONTRACT NO. E12-167

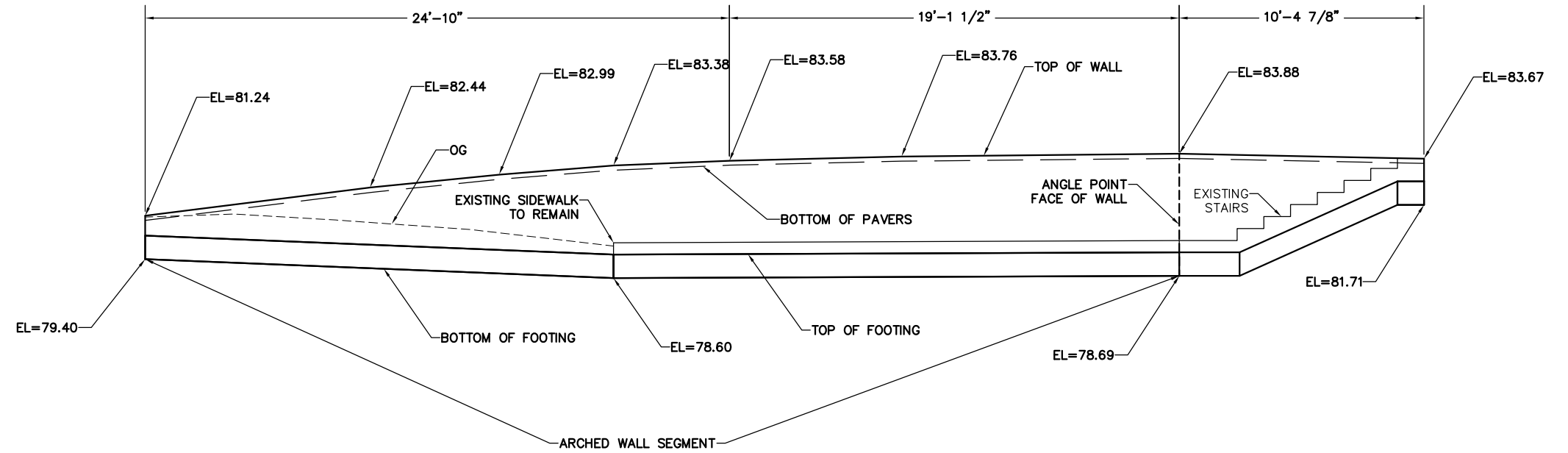
CATCH BASIN FRAME AND GRATE
TABLE AND DETAILS

SHEET NO.
C.104
7 OF 44

JOB NO: J70456 DRAWN BY: STAFF DESIGNED BY: T. LOCKHART CHECKED BY: N. HOBBS DATE: APRIL 2012

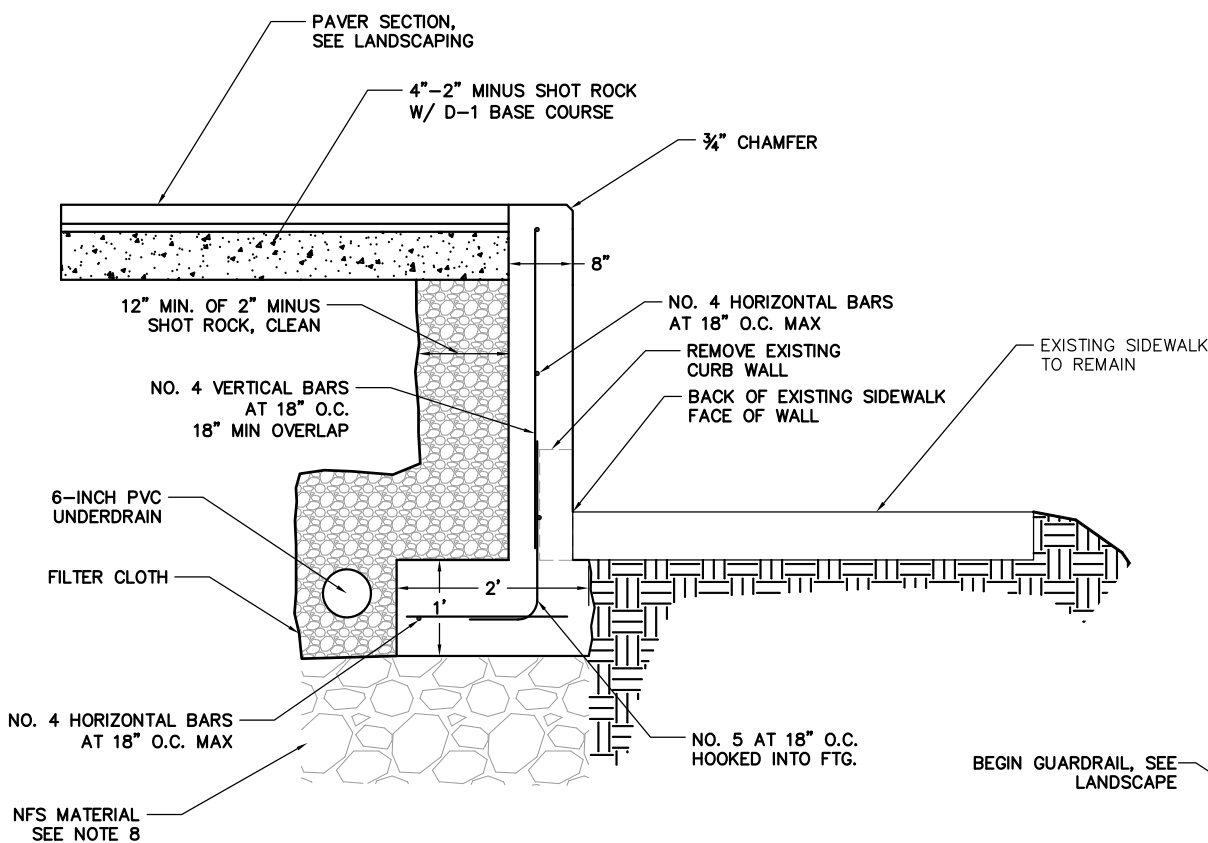
NOTES:

- HORIZONTAL REINFORCING STEEL SHALL BE NO. 4 BAR, CONTINUOUS, AT 18" O.C. MAX.
- ALL REINFORCING SPLICES TO BE 36 BAR DIAMETER MIN.
- VERTICAL CONTRACTION JOINTS TO BE LOCATED AT 10' MAXIMUM SPACING AND SHALL BE EVENLY SPACED AND AS APPROVED BY THE ENGINEER.
- REINFORCING STEEL SHALL HAVE 2.5" MIN COVER, EXCEPT COVER SHALL BE 3" IN FOOTINGS. POSITION REINFORCING STEEL IN WALLS AND FOOTINGS AS SHOWN.
- APPLY "CONCRETE INTERNATIONAL CORPORATION" ASHFORD FORMULA, OR APPROVED EQUAL TO ALL EXPOSED SURFACES.
- PAINT WALL SURFACES TO BE BACKFILLED WITH TWO COATS COLD BITUMINOUS WATERPROOF COATINGS.
- BATTER WALL AT 2%, OR AS DIRECTED BY THE ENGINEER.
- VERIFY SUITABILITY OF EXISTING MATERIAL UNDER FOOTINGS WITH THE ENGINEER AND REPLACE WITH 10-INCH MINUS SHOT ROCK AS REQUIRED. 10-INCH MINUS SHOT ROCK WILL BE MEASURED FOR PAYMENT UNDER PAY ITEM 2202.2



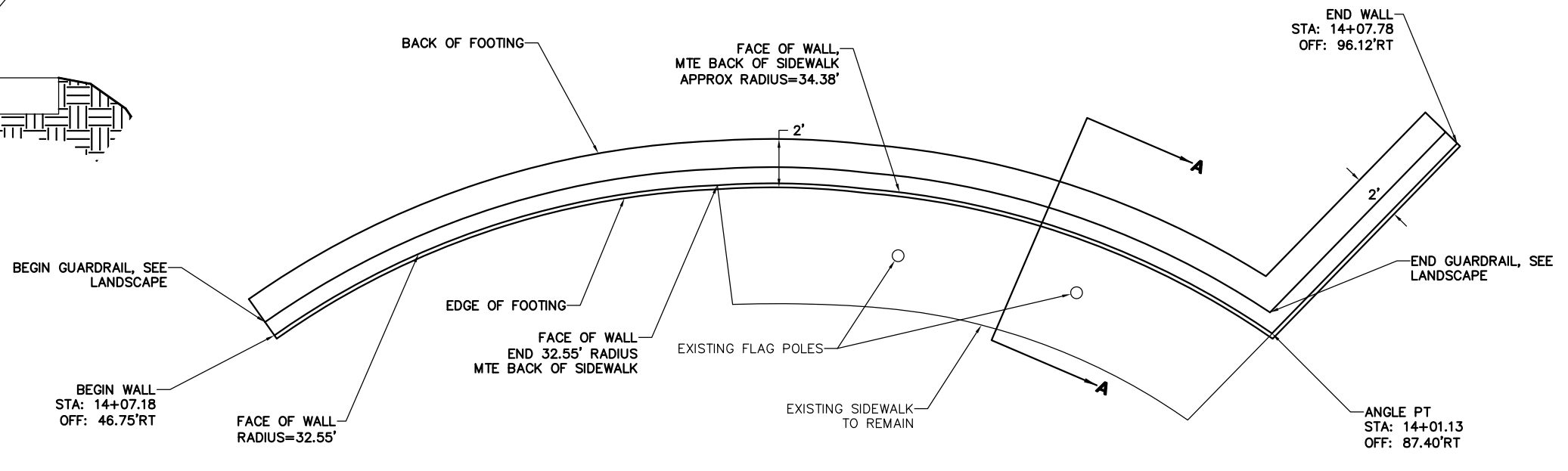
**WALL 'A'
ELEVATION VIEW**

NTS



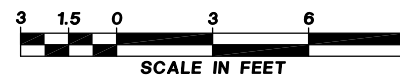
SECTION A-A

NTS

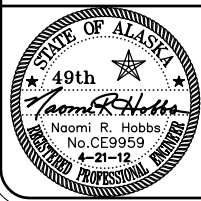


**WALL 'A'
PLAN VIEW**

NTS



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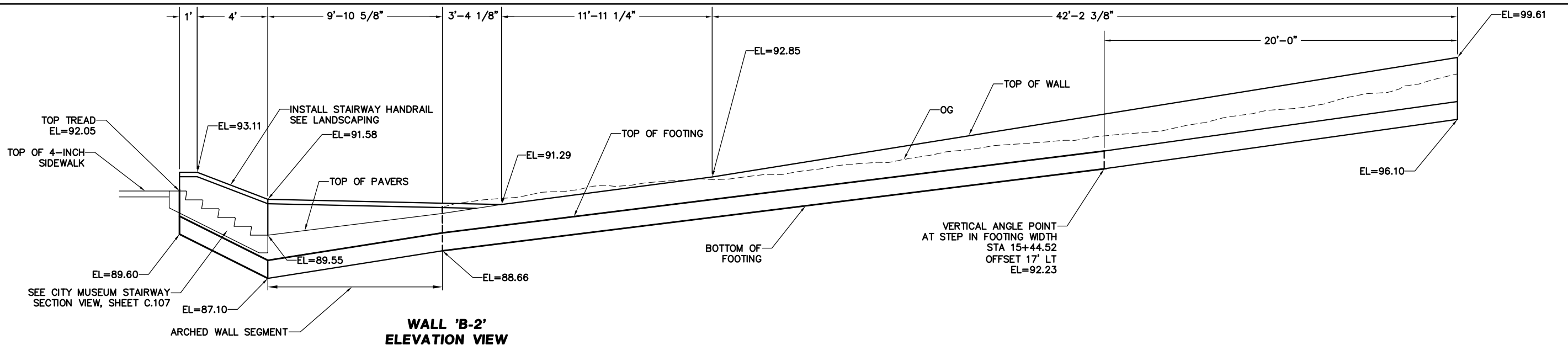
**MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

**WALL A
CONCRETE RETAINING WALL**

SHEET NO.
C.105
8
OF
44

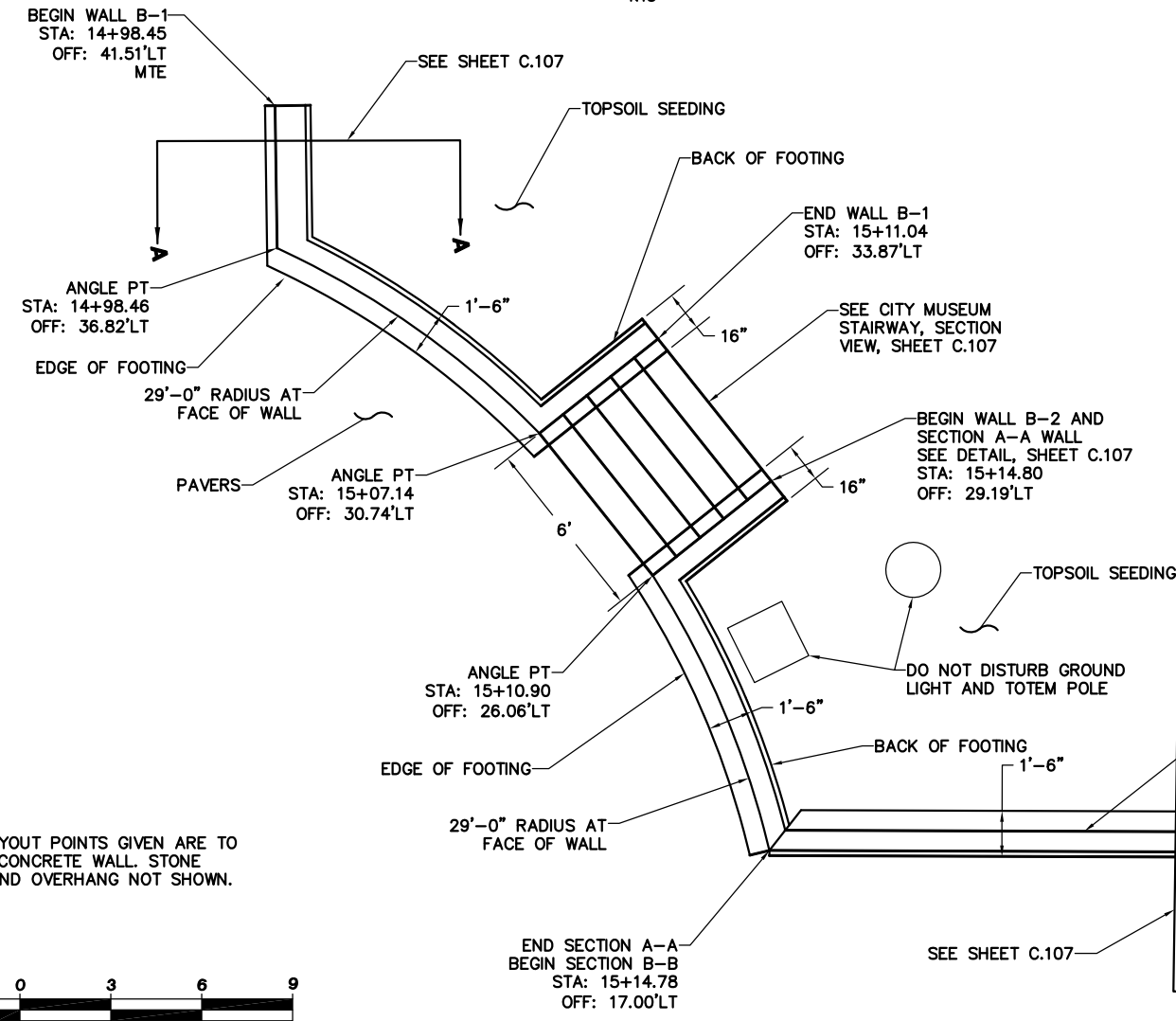
JOB NO: J70456 DRAWN BY: STAFF DESIGNED BY: T. LOCKHART CHECKED BY: N. HOBBS DATE: APRIL 2012

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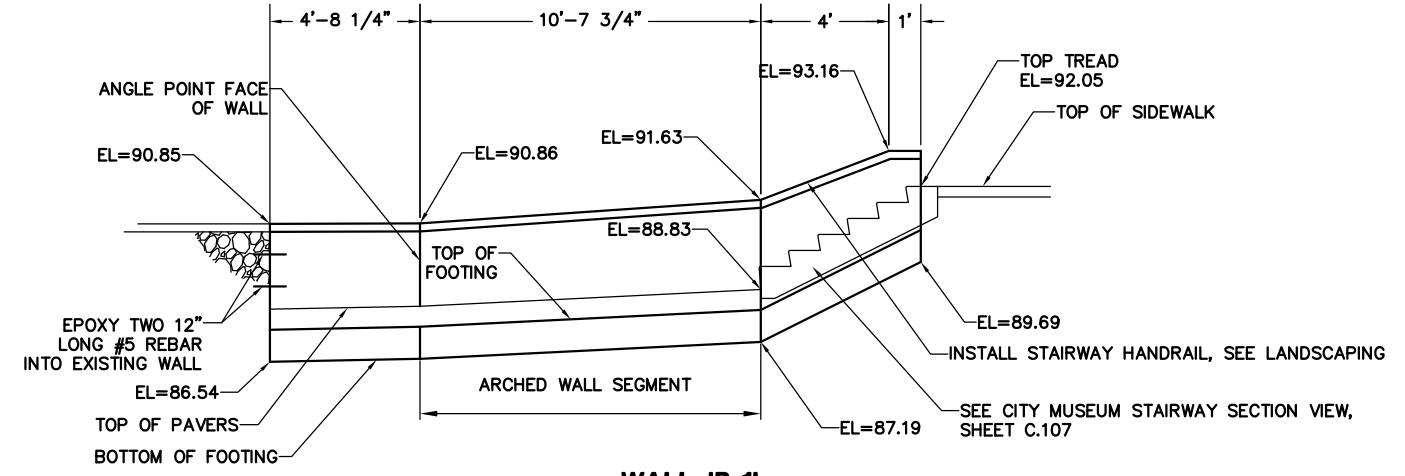
WALL 'B-2' ELEVATION VIEW

NTS



WALL 'B-1' ELEVATION VIEW

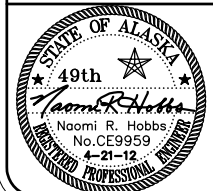
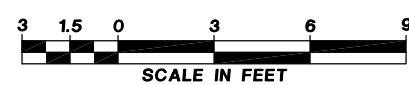
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WALL 'B' PLAN VIEW

NTS

NOTES:
1. ALL LAYOUT POINTS GIVEN ARE TO FACE OF CONCRETE WALL. STONE VENEER AND OVERHANG NOT SHOWN.



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MAIN STREET IMPROVEMENTS
SECOND TO FIFTH STREET
CONTRACT NO. E12-167

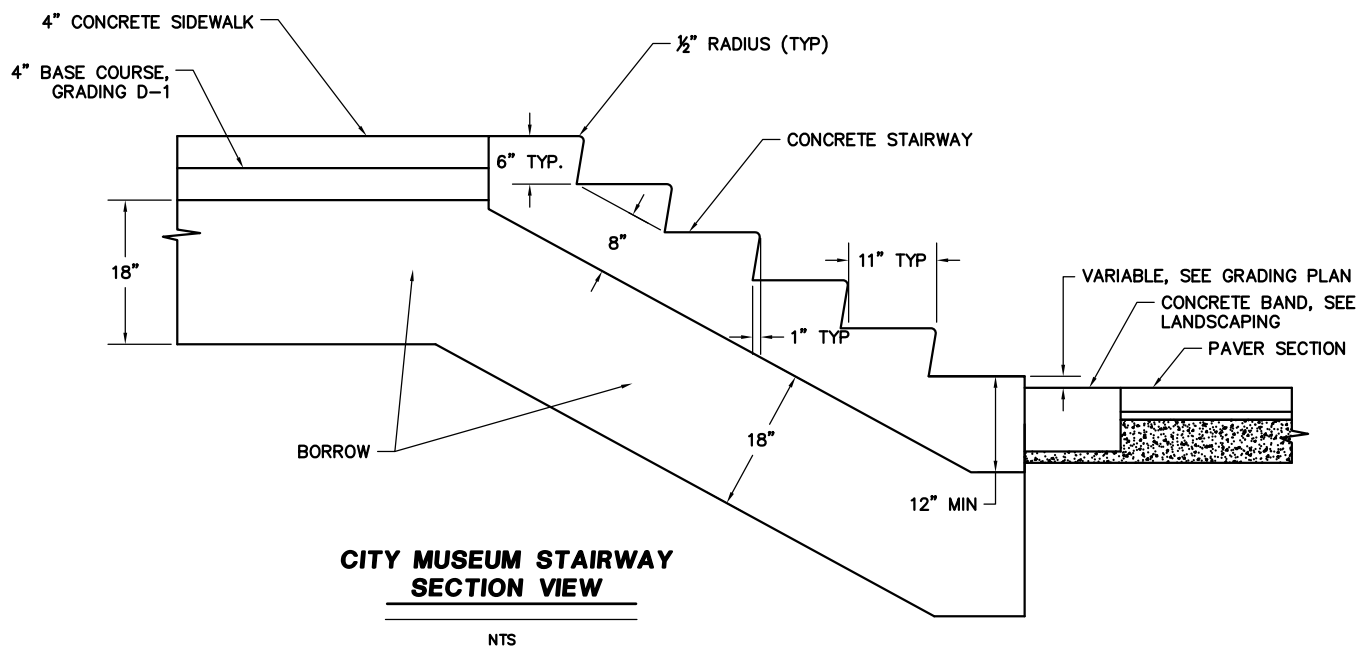
WALL B
CONCRETE RETAINING WALL

SHEET NO.
C.106
9 OF 44

JOB NO: J70456 DRAWN BY: STAFF DESIGNED BY: T. LOCKHART CHECKED BY: N. HOBBS DATE: APRIL 2012

SCHEDULE OF CONCRETE QUANTITIES

COURT PLAZA		
WALL A		
STEM		4.3 CY
FOOTING		4.1 CY
CITY MUSEUM		
WALL B-1		
STEM		2.7 CY
FOOTING		2.0 CY
WALL B-2		
STEM		2.5 CY
FOOTING		4.1 CY

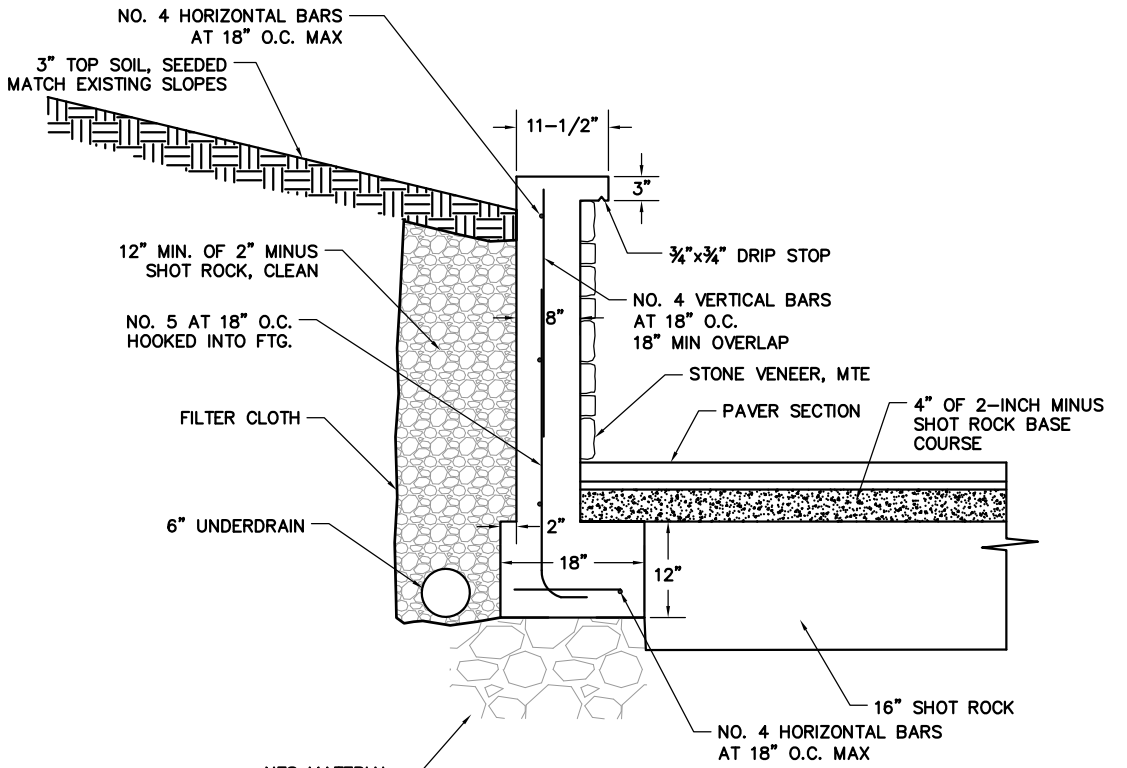


CITY MUSEUM STAIRWAY SECTION VIEW

NTS

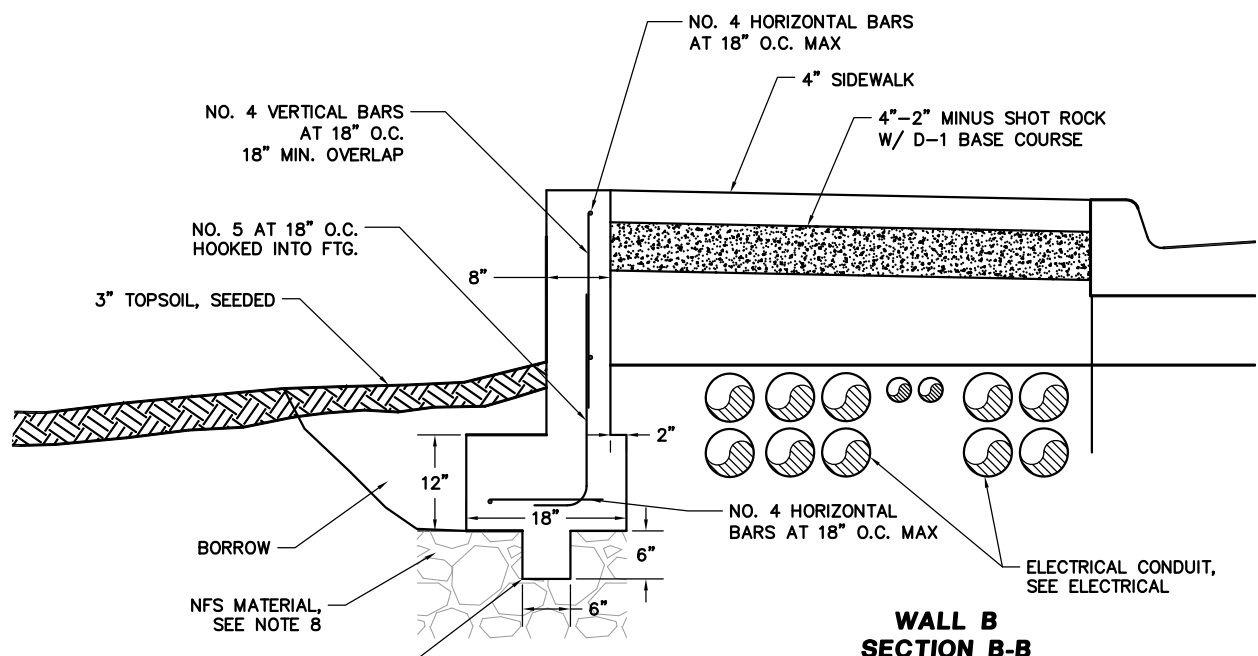
NOTES:

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WALL B SECTION A-A

NTS

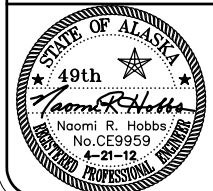


WALL B SECTION B-B

NTS

CONCRETE KEY SHALL BE REQUIRED FROM STA 15+72.23 TO STA 15+30.03, CENTER KEY ON FOOTING

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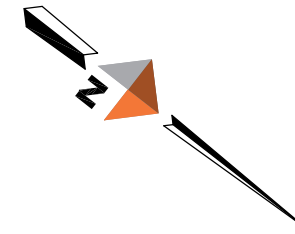
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DEPARTMENT OF ENGINEERING

**MAIN STREET IMPROVEMENTS
 SECOND TO FIFTH STREET
 CONTRACT NO. E12-167**

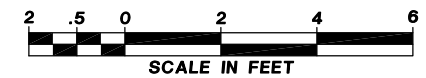
**WALL NOTES, DETAILS,
 AND QUANTITIES**

MAIN ST



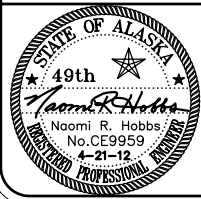
TO BE ADDED BY ADDENDUM

BEAR



ADDITIVE ALTERNATE TWO

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SECOND TO FIFTH STREET
CONTRACT NO. E12-167**

**WINDFALL FISHERMAN
PLAN AND DETAILS**

SHEET NO.
C.108

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OF
44

JOB NO: J70456 | DRAWN BY: STAFF | DESIGNED BY: T. LOCKHART | CHECKED BY: N. HOBBS | DATE: APRIL 2012