

# CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE IMPROVEMENTS PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

**APRIL 2014** 

### CITY OF ARLINGTON OFFICIALS

BARBARA TOLBERT MAYOR COUNCIL MEMBER JESSICA STICKLES COUNCIL MEMBER CHRIS RAEZER COUNCIL MEMBER DEBORA NELSON COUNCIL MEMBER MARILYN OERTLE COUNCIL MEMBER RICHARD BUTNER COUNCIL MEMBER JAN SCHUETTE RANDY TENDERING COUNCIL MEMBER

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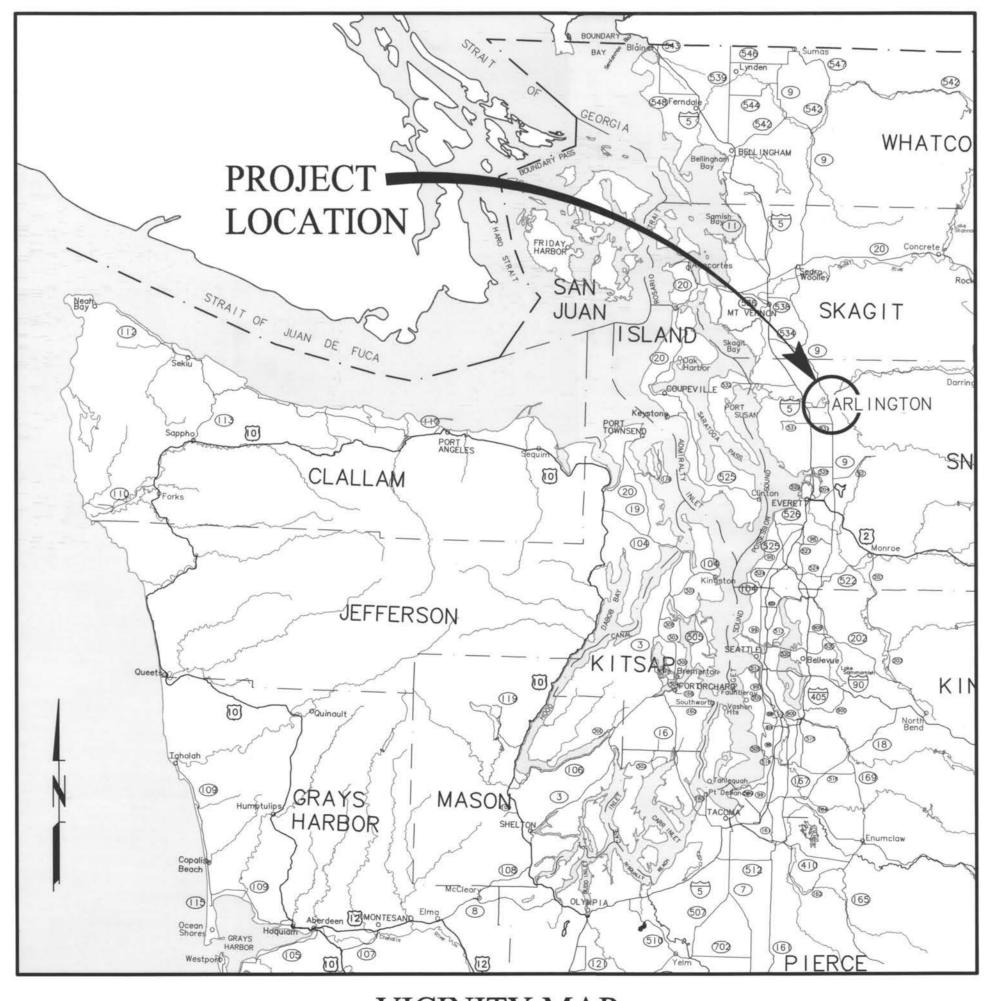
#### TEMPORARY TRAFFIC CONTROL

PROJECT STAGING AND TEMPORARY TRAFFIC CONTROL - I PROJECT STAGING AND TEMPORARY TRAFFIC CONTROL - 2



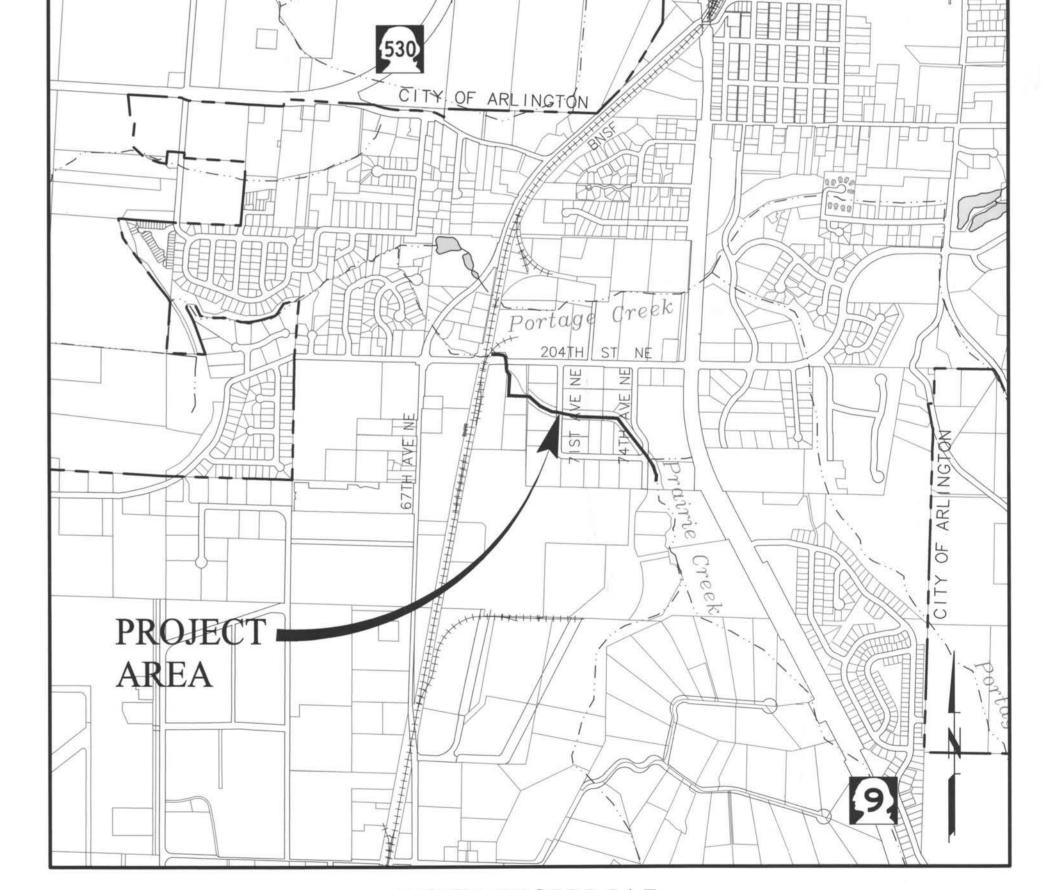
# Murray, Smith & Associates, Inc. Engineers/Planners

2707 Colby Avenue, Suite 1110 PHONE 425.252.9003 Everett, Washington 98201-3566 FAX 425.252.8853



VICINITY MAP SCALE: 1"=80,000'





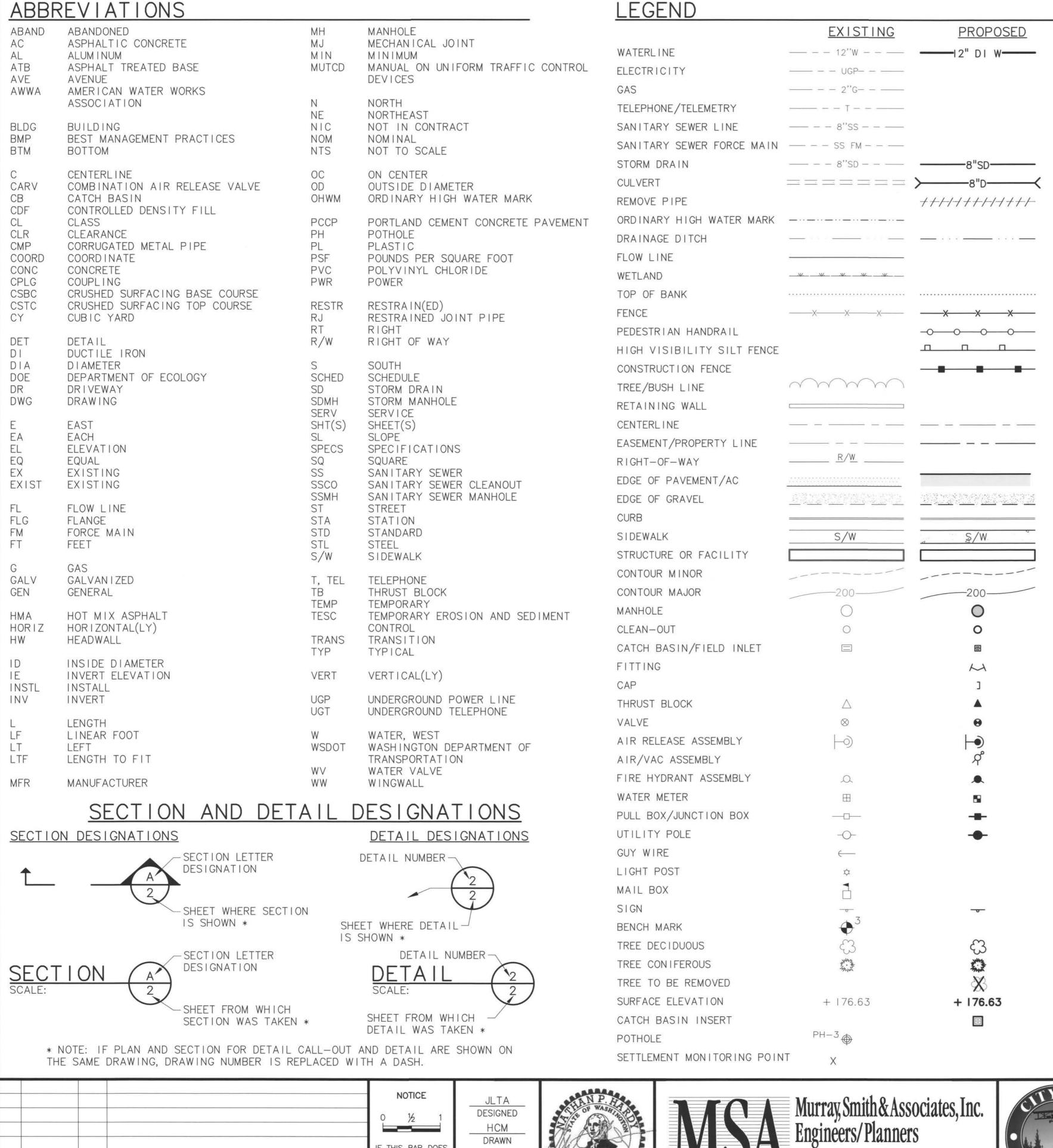
**LOCATION MAP** SCALE: 1"=500'

AS BUILT

City of Arlington Public Works ngineering Division \_Approved \_\_\_Denled approved with Condition approved by the City Engineer or designee

APPROVED FOR CONSTRUCTION

APPROVED BY 04-24-14 V JAMES KELLY, PE PUBLIC WORKS DIRECTOR



#### **GENERAL NOTES:**

- I. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON STANDARDS, THE LATEST REVISIONS OF AWWA STANDARD SPECIFICATIONS, AND THE LATEST REVISION OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION BY WASHINGTON STATE D.O.T. AND WASHINGTON STATE CHAPTER.
- 2. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF STATE AND LOCAL HEALTH AUTHORITIES.
- 3. DEPTHS AND LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON THE BEST AVAILABLE DATA AT THE TIME OF DESIGN. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY DEPTHS AT CROSSINGS AND CONNECTIONS, TYPICAL ALL SHEETS.
- 4. THE OWNER OR OWNER'S AGENT MAY, AT ITS DISCRETION, REQUIRE TESTS AND/OR REPORTS FROM THE CONTRACTOR TO VALIDATE CLAIMS OF MATERIAL OR CONSTRUCTION ADEQUACY/COMPLIANCE. SUCH TEST/REPORTS SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.
- 5. ALL EXISTING SURFACE FEATURES SUCH AS PLANTERS, LANDSCAPING, STRUCTURES, LOTS, SWALES, DITCHES, CURBS, SIDEWALKS, FENCES, WALLS, MAILBOXES, SIGNS, GUY WIRES, PIPING, AND UTILITIES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION, UNLESS OTHERWISE PROPOSED.
- 6. MAINTENANCE OF THE WORK AREA AND APPROACH ROADS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE WORK AREA AND APPROACH ROADS SHALL BE MAINTAINED IN A CLEAN CONDITION, FREE FROM OBSTRUCTIONS AND HAZARDS
- 7. A COPY OF THE CONTRACTOR'S CERTIFICATE OF INSURANCE SHALL BE AVAILABLE AT THE WORK AREA AT ALL TIMES.
- 8. ANY CHANGE IN CONSTRUCTION AFTER PLAN APPROVAL MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY PRIOR TO CHANGE.
- 9. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS INDICATING ALL CHANGES IN GRADE, ALIGNMENT, FITTINGS, AND MATERIALS INSTALLED AND ANY OTHER UTILITIES OR OBSTACLES NOT SO INDICATED ON THESE PLANS.
- 10. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL SEAL AND CAP THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES WITH NON-SHRINK GROUT TO I FOOT LENGTH INTO PIPE OR ONE PIPE DIAMETER, WHICHEVER IS GREATER.
- II. OPERATION OF ALL VALVES SHALL BE PERFORMED BY AUTHORIZED CITY PERSONNEL ONLY.
- 12. ALL PIPING SHALL HAVE A MINIMUM OF 3 FEET OF COVER FROM TOP OF PIPE TO STREET GRADE OR OTHER FINISHED GRADE, UNLESS OTHERWISE SHOWN OR APPROVED BY ENGINEER.
- 13. ALL CONCRETE FOR WATER MAIN WORK SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
- 14. CONTRACTOR SHALL PROTECT WATER PIPE ENDS FROM CONTAMINATED WATER AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CAP AND/OR COVER PIPE ENDS AT THE END OF EACH WORK DAY.
- 15. OWNER AND OWNER'S AGENT SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY REQUIRED INSPECTIONS.
- 16. NO UNDERGROUND WORK SHALL BE "BURIED" UNTIL INSPECTED AND APPROVED BY THE OWNER'S AGENT.
- 17. ALL ADA FACILITIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PROPOSED RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) GUIDELINES.
- 18. UNLESS OTHERWISE SHOWN SPECIFIED ON THE PLANS, OR DIRECTED BY THE ENGINEER, CROSS SLOPES OF SIDEWALKS SHALL BE A NOMINAL 1.5%. CROSS SLOPES SHALL NOT BE LESS THAN 1% NOR EXCEED 2%.
- 19. MAXIMUM SLOPES SHOWN ON THE PLANS REPRESENT THE MAXIMUM ALLOWABLE SLOPES PERMITTED BY CURRENT ADA REQUIREMENTS. THE CONTRACTOR SHALL TAKE INTO CONSIDERATION CONSTRUCTION TOLERANCES WHEN PLACING SIDEWALKS TO INSURE MAXIMUM SLOPES ARE NOT EXCEEDED.
- 20. COMPLETED SIDEWALKS OR OTHER HARDSCAPE ELEMENTS THAT EXCEED MAXIMUM SPECIFIED SLOPES OR ARE LESS THAN MINIMUM SPECIFIED SLOPES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 21. MEASUREMENT OF SLOPES SHALL BE PERFORMED ON THE WALKABLE SURFACE AND SHALL NOT TAKE INTO CONSIDERATION THE CURB ELEVATION.

SURVEY BENCHMARKS								
Benchmark	Description	Northing	Easting	Elevation	Sheet No.			
1	2" Brass Disk, 0.5' Below Grade in MIC, NW Corner Section 14, Snohomish County Control Point 3105J17	433460.3108	1321541.1120	119.25	_			
2	3" Brass Disk, 1.5' Below Grade in MIC, Located in 204th and SR9 Intersection, Snohomish County Control Point 3352	433396.2620	1324211.0680	126.92	_			
3	Magnail with Washer	432944.2074	1322950.5993	119.30	C-4			
4	5/8" Rebar with Yellow Cap stamped "Metron Control"	432614.3043	1323709.5385	126.99	C-5			
5	5/8" Rebar with Yellow Cap stamped "Metron Control"	432385.4490	1323885.5936		C-5			
	City of Arlington Public Works							

Project Datum:

Vertical datum is based on tie to Snohomish County control point 3105J17

Vertical Datum: NAVD 88 NAVD 88 - 3.71 = NAVD 29

Date: 11-20,-2919 approved by the City Engineer or designation

as Built

F THIS BAR DOES NOT MEASURE 1 THEN DRAWING I NOT TO SCALE NO. DATE REVISION BY

CB

CY

DI

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NPH CHECKED



Avenue, Suite 1110 PHONE 425.252.9003 Everett, Washington 98201-3566 FAX 425.252.8853



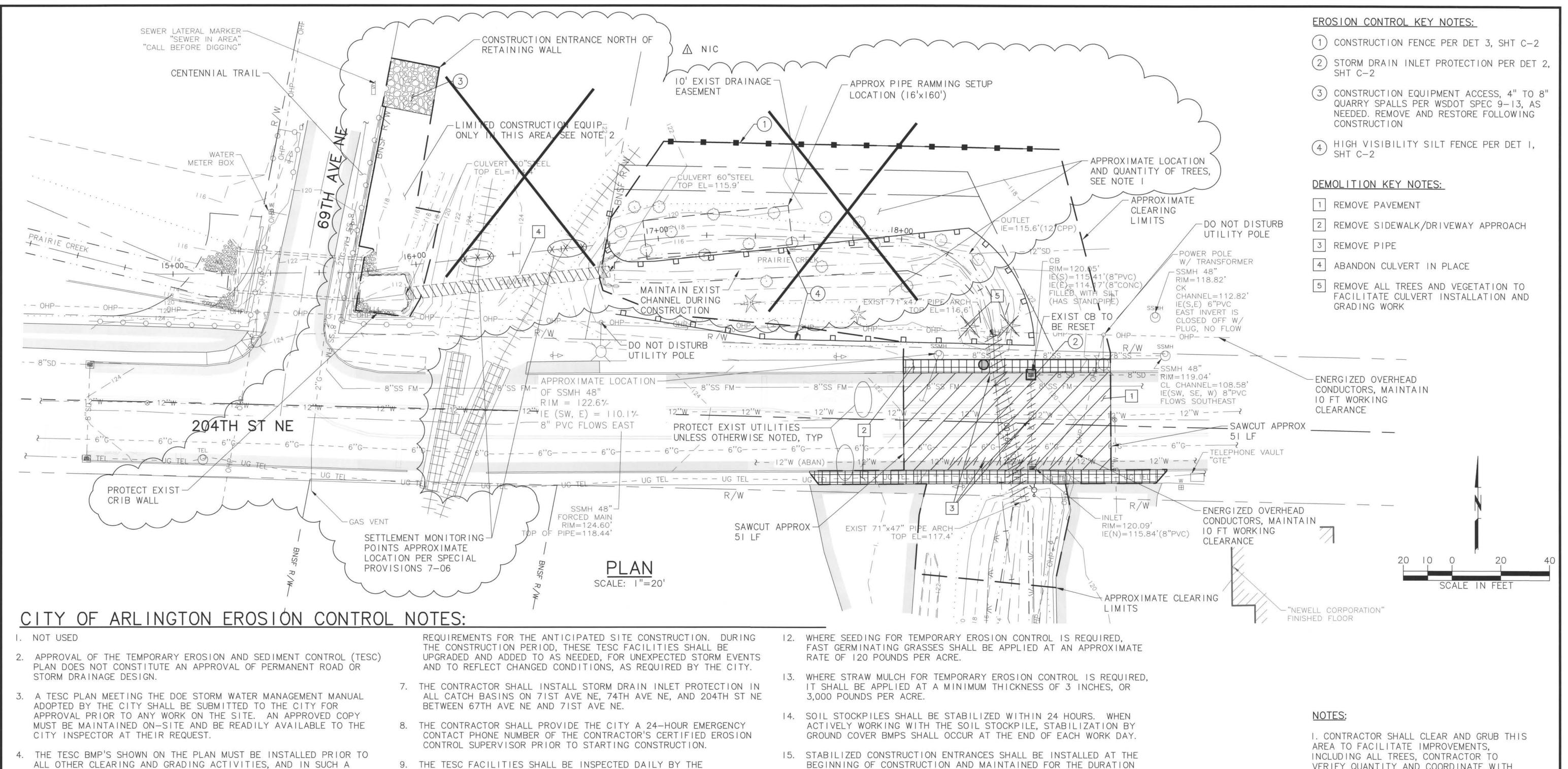
CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE **IMPROVEMENTS** PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

ABBREVIATIONS, SYMBOLS AND LEGEND, GENERAL NOTES AND **SURVEY BENCHMARKS** 

G-2

SHEET

AS SHOWN DATE: PROJECT NO.: 12-1347.202 | SCALE: APRIL 2014



- MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, LEAVE THE SITE, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE TESC PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE CITY.
- THE BOUNDARIES OF THE CLEARING LIMITS, SHOWN ON THE TESC PLAN SHALL BE CLEARLY FENCED OR FLAGGED IN THE FIELD PRIOR TO STARTING CONSTRUCTION. NO DISTURBANCE BEYOND THE FENCED OR FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FENCING AND/OR FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION PROJECT

- CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTION AND OPERATION.
- 10. BETWEEN OCTOBER I AND APRIL 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO (2) DAYS SHALL BE IMMEDIATELY COVERED BY MULCH, SOD OR PLASTIC COVERING. BETWEEN MAY I AND SEPTEMBER 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE IMMEDIATELY COVERED BY SEEDING OR OTHER APPROVED METHODS.
- II. SEDIMENT DEPOSITS SHALL BE REMOVED FROM ALL CATCH BASINS, PRE-TREATMENT/SEDIMENT POND, AND SEDIMENT TRAPS UPON REACHING A DEPTH OF 12 INCHES.
- OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 16. MAINTENANCE AND REPAIR OF TESC FACILITIES AND STRUCTURES SHALL BE CONDUCTED IMMEDIATELY UPON RECOGNITION OF A PROBLEM OR WHEN THE TESC MEASURES BECOME DAMAGED.
- 17. UPON COMPLETION OF THE PROJECT, ALL BMP'S SHALL BE REMOVED FROM THE SITE AND RIGHT OF WAY. IF BMP'S ARE REQUIRED TO REMAIN IN PLACE FOR FURTHER PROTECTION, ARRANGEMENTS FOR REMOVAL SHALL BE MADE WITH THE CITY INSPECTOR.

VERIFY QUANTITY AND COORDINATE WITH CITY FOR REMOVAL AND DEMOLITION EXTENTS.

City of Arlington Public Works Engineering Division \_Approved \_\_\_Denied Approved with Conditions Date: 1 - 29 - 2914 By: LOX Kelly d changes authorized unless

> approved by the City Engineer or designee

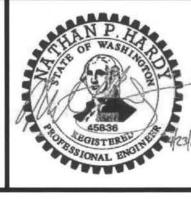
2. CONTRACTOR TO COMPLETE WORK IN THIS AREA BY LONG STICK EXCAVATOR ON 204TH ST NE AND BY SMALL WHEELED EQUIPMENT AS TO NOT DAMAGE NEW TRAIL AND WALL ON 69TH AVE NE.

6. THE TESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM

IF THIS BAR DOES NOT MEASURE THEN DRAWING 4/22/14 NPH CHANGE CONTRACT LIMITS - PHASE 2A (NIC) NOT TO SCALE BY REVISION

JLTA DESIGNED HCM DRAWN NPH CHECKED

NOTICE





Murray, Smith & Associates, Inc.

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CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE **IMPROVEMENTS** PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

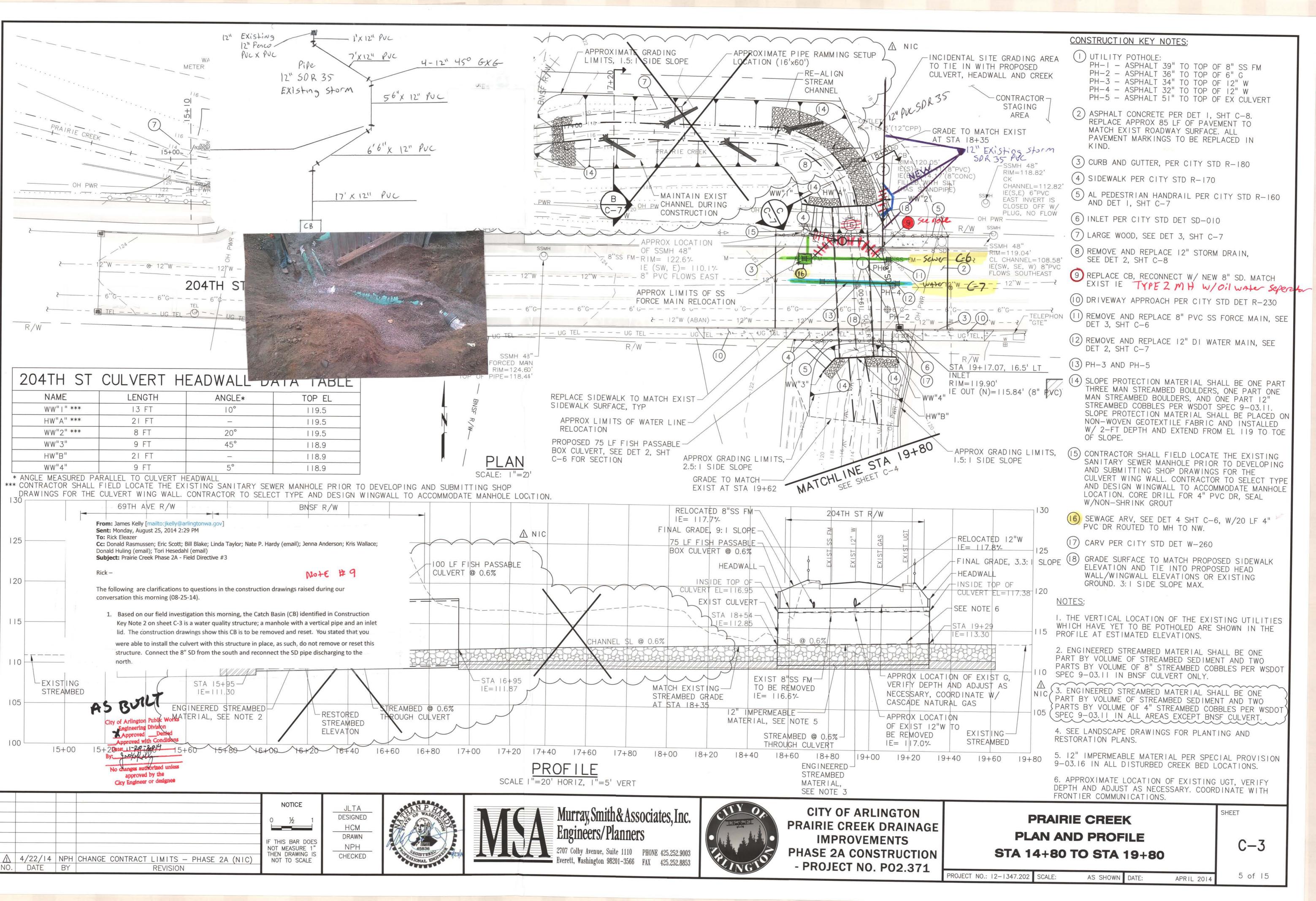
### **EXISTING CONDITIONS, SITE** PREPARATION, AND **EROSION CONTROL PLAN**

C-1

SHEET

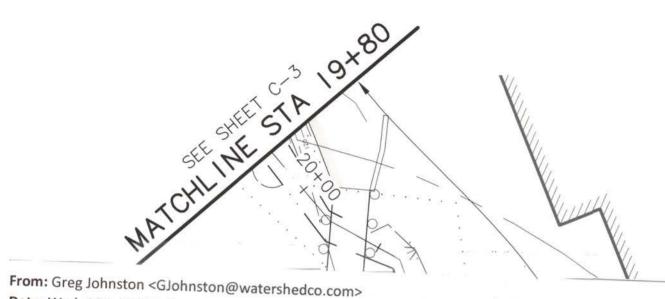
AS SHOWN DATE: PROJECT NO.: 12-1347.202 | SCALE:

APRIL 2014



#### CONSTRUCTION KEY NOTES:

- SEDIMENT REMOVAL AREA. CONTRACTOR TO REMOVE DEPOSITED SEDIMENT AT THE DIRECTION OF CITY REPRESENTATIVE DOWN TO THE ELEVATION OF EXISTING GRAVEL CREEK BED WITHOUT DISTURBING EXISTING BED (APPROX. 1-2 FEET OF DEPOSITED SEDIMENT IN THIS AREA BASED ON SEDIMENT REMOVAL ACTIVITIES DURING 2013). ENSURE FINAL CHANNEL IS GRADED WITH APPROX. 0.2% SLOPE DOWNSTREAM.
- CONTRACTOR TO REMOVE ALL EXISTING LARGE WOOD AND BURIED SILL GRADE STRUCTURES ENCOUNTERED (APPROX. ONE EVERY 30 FEET). RESTORE DISTURBED AREA WITH 12-INCHES OF IMPERMEABLE MATERIAL (SPÉCIAL PROVISION 9-03.16) AND 12-INCHES OF STREAMBED SEDIMENT (WSDOT SPEC. 9-03.11).
- INSTALL LARGE WOOD AT APPROX. 30' INTERVAL IN THIS AREA PER DETAIL 3, SHEET C-7. FINAL LOCATION AT DIRECTION OF CITY REPRESENTATIVE.
- DURING SEDIMENT REMOVAL ACTIVITIES, CONTRACTOR TO GRADE FINAL STREAM SECTION PER DETAIL I, SHEET C-5.
- REMOVE DEBRIS/OBSTRUCTION (FORMER BEAVER DAM).



Date: Wed, 16 Jul 2014 11:07:45 -0700 To: Rick Eleazer<ricke@razzconstruction.com> Cc: Donald Rasmussen<DonR@razzconstruction.com>; Chris

Rick Eleazer, Project Superintendent

Rick:

Watershed Company along Prairie Creek in Arlington on Tuesday, July 15th, 2014. Fish were removed from an isolated and temporarily bypassed stream section downstream of 71st Avenue NE between approximately 7:00 AM and 2:30 PM. The stream channel will be de-watered to facilitate stream bank and bed improvements and enhancements including sediment removal and log structure placement. The bypassed section was approximately 300 feet long. The affected stream section was isolated by placing a screen and a coffer dam consisting of sand bags and plastic at each of the upper and lower ends of the section and then pumping streamflow around the work area. Since fish were again fairly numerous and time short, visual estimates of fish abundance were made by species. In all, in excess of approximately 600 fish were estimated to have been removed from the isolated stream section and relocated upstream. Fish removal was accomplished first by 5 or more seining passes in a large pooled area and nearly all of the stream channel length, excluding a short section obstructed by logs. Seining was followed by electrofishing and dipnetting over three complete passes through stream sections other than the large pooled area, where electrofishing was not effective. Additional seine passes were made through the large pool area. Pumped flow was adjusted around the work area during the process to accommodate fish removal by varying water depth and flow. Captured fish were released in Prairie Creek approximately 200 feet upstream of the work area, upstream of 71st Avenue NE. Water temperature around noon was measured at 14.7 degrees C. (58 degrees F.) and conductivity at 163 micro-siemens per centimetre ( $\mu$ S/cm). The following is an approximate, conservative accounting of the fish (and other

Coho salmon (2 - 3")	35
Cutthroat trout (1 ½ - 10")	15
Pumpkinseed sunfish (1 - 2")	40
Lamprey (4-8")	40
Crayfish	10
Bullfrog tadpole	10
Bullfrog (small)	30
Red-legged frog	1

Please let us know if you have any questions or need any further information or assistance.

Thanks,

Greg Johnston Senior Fisheries Biologist The Watershed Company 750 - 6th Street S. Kirkland, WA 98033

425-822-5242 http://www.watershedco.com/

0 1/2 DATE BY REVISION

NUTICE JLTA DESIGNED **HCM** DRAWN IF THIS BAR DOES NOT MEASURE 1" NPH THEN DRAWING CHECKED NOT TO SCALE





## Murray, Smith & Associates, Inc. Engineers/Planners

Everett, Washington 98201-3566 FAX 425.252.8853



CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE **IMPROVEMENTS** PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

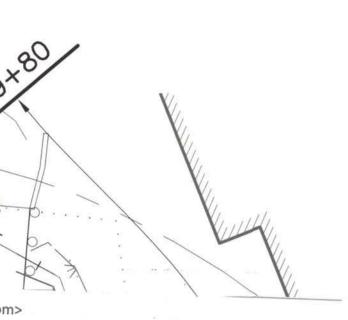
PRAIRIE CREEK PLAN STA 19+80 TO STA 31+20

C-4

SHEET

PROJECT NO.: 12-1347.202 SCALE: AS SHOWN DATE:

6 of 15

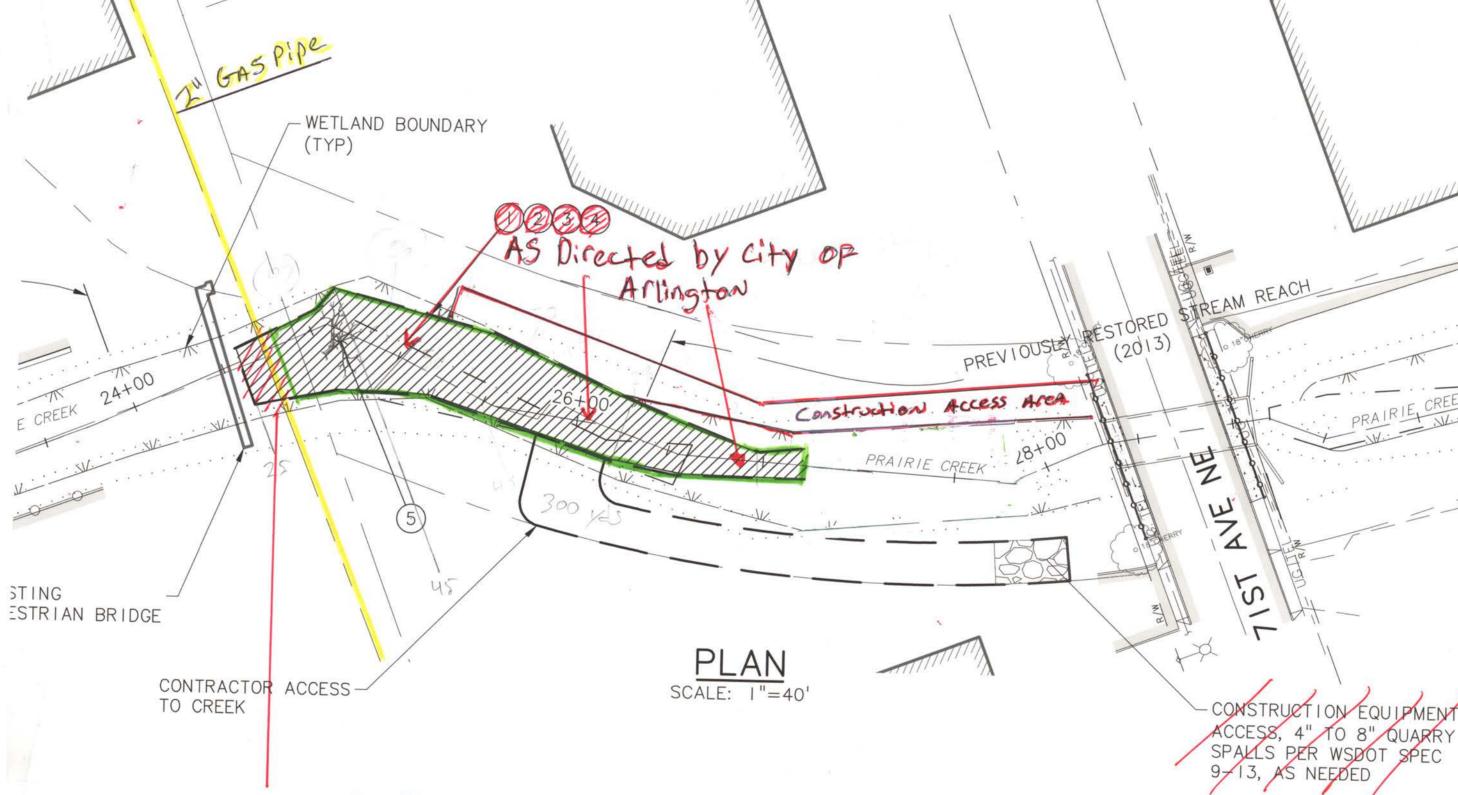


Rasmussen<chrisr@razzconstruction.com>; Bill Way<bway@watershedco.com>; Mary Ramirez<MRamirez@watershedco.com> Subject: Prairie Creek fish removal summary, downstream of 71st Avenue NE, 7/15/14

Razz Construction, Inc. 4055 Hammer Drive Bellingham, WA 98226 Phone: 360-927-9736

The following is a summary and documentation, for your use, of fish relocation conducted by The

City of Arilington Public Works Engineering Division
Approved \_\_\_Denied Approved with Condition atg. 11-20,-2014



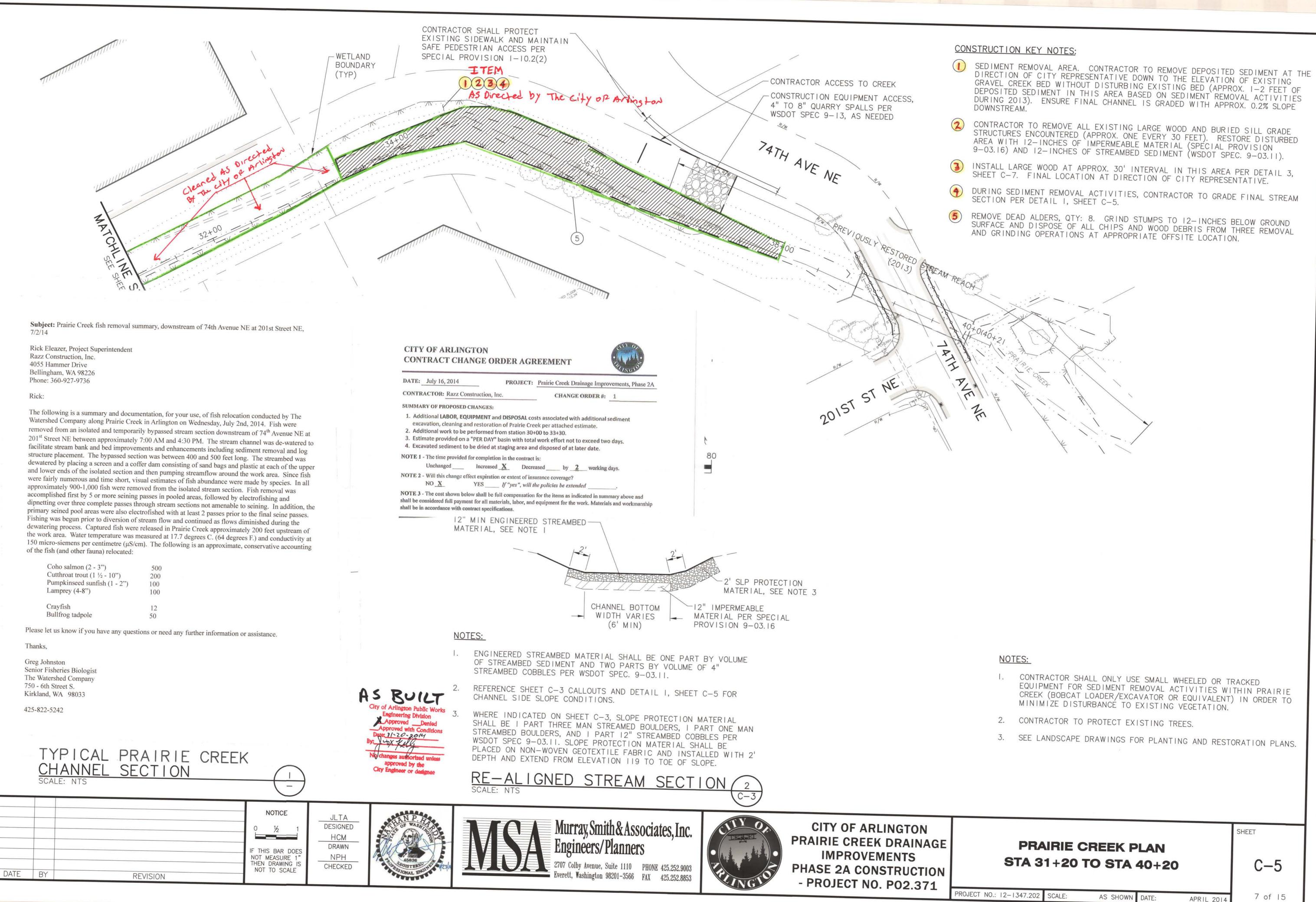
WAS to by the City of Arlington
To Leave this area alone Due
To Existing 2" Gas main.

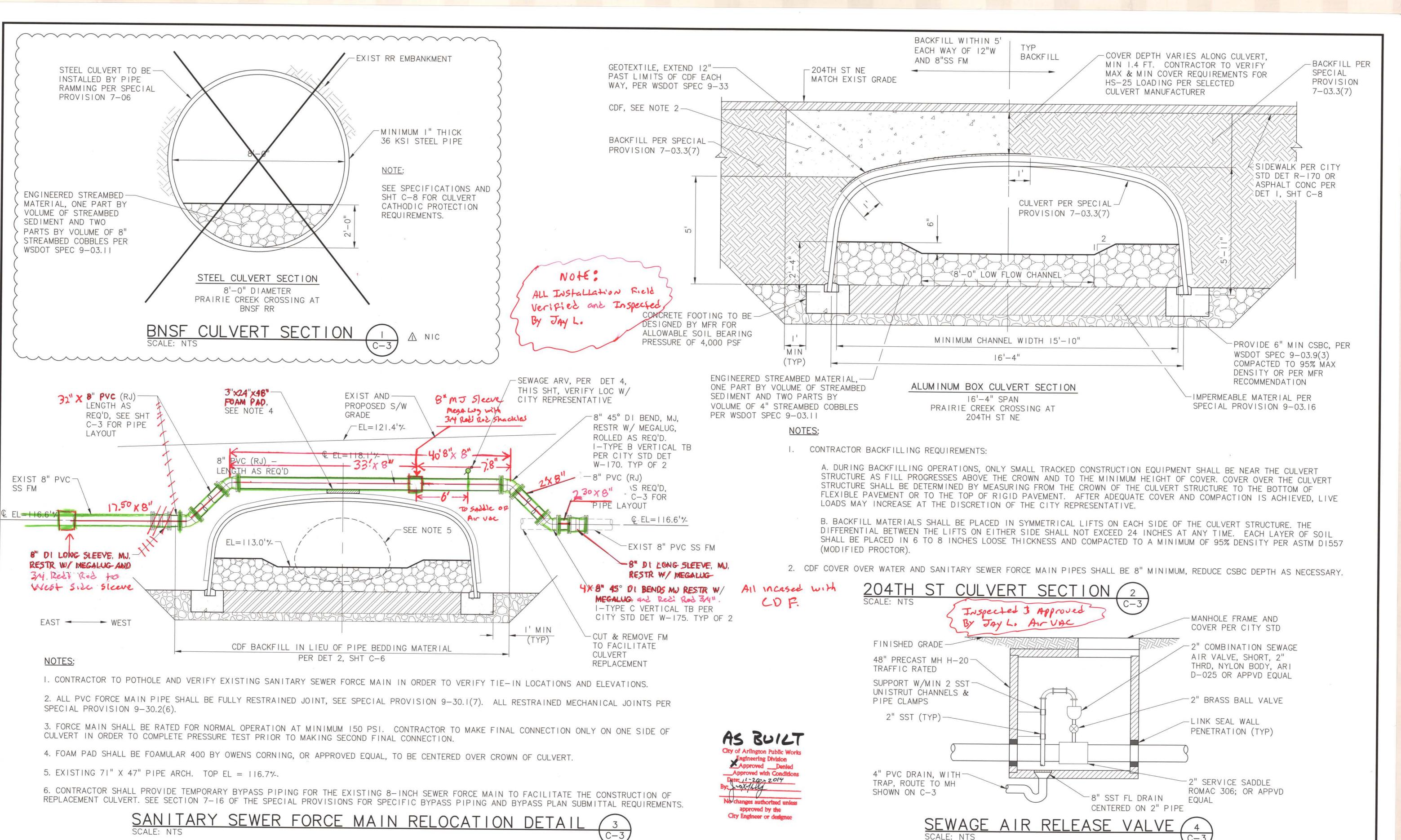
NOTES:

CONTRACTOR SHALL ONLY USE SMALL WHEELED OR TRACKED EQUIPMENT FOR SEDIMENT REMOVAL ACTIVITIES WITHIN PRAIRIE CREEK (BOBCAT LOADER/EXCAVATOR OR EQUIVALENT) IN ORDER TO MINIMIZE DISTURBANCE TO EXISTING VEGETATION.

120

- CONTRACTOR TO PROTECT EXISTING TREES.
- 3. SEE LANDSCAPE DRAWINGS FOR PLANTING AND RESTORATION PLANS.

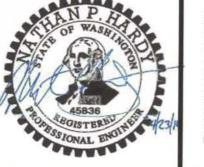




NOTICE F THIS BAR DOES NOT MEASURE 1 THEN DRAWING IS ↑ 4/22/14 NPH CHANGE CONTRACT LIMITS - PHASE 2A (NIC) NOT TO SCALE NO. DATE BY

REVISION

JLTA DESIGNED **HCM** DRAWN NPH CHECKED





Murray, Smith & Associates, Inc. **Engineers/Planners** 

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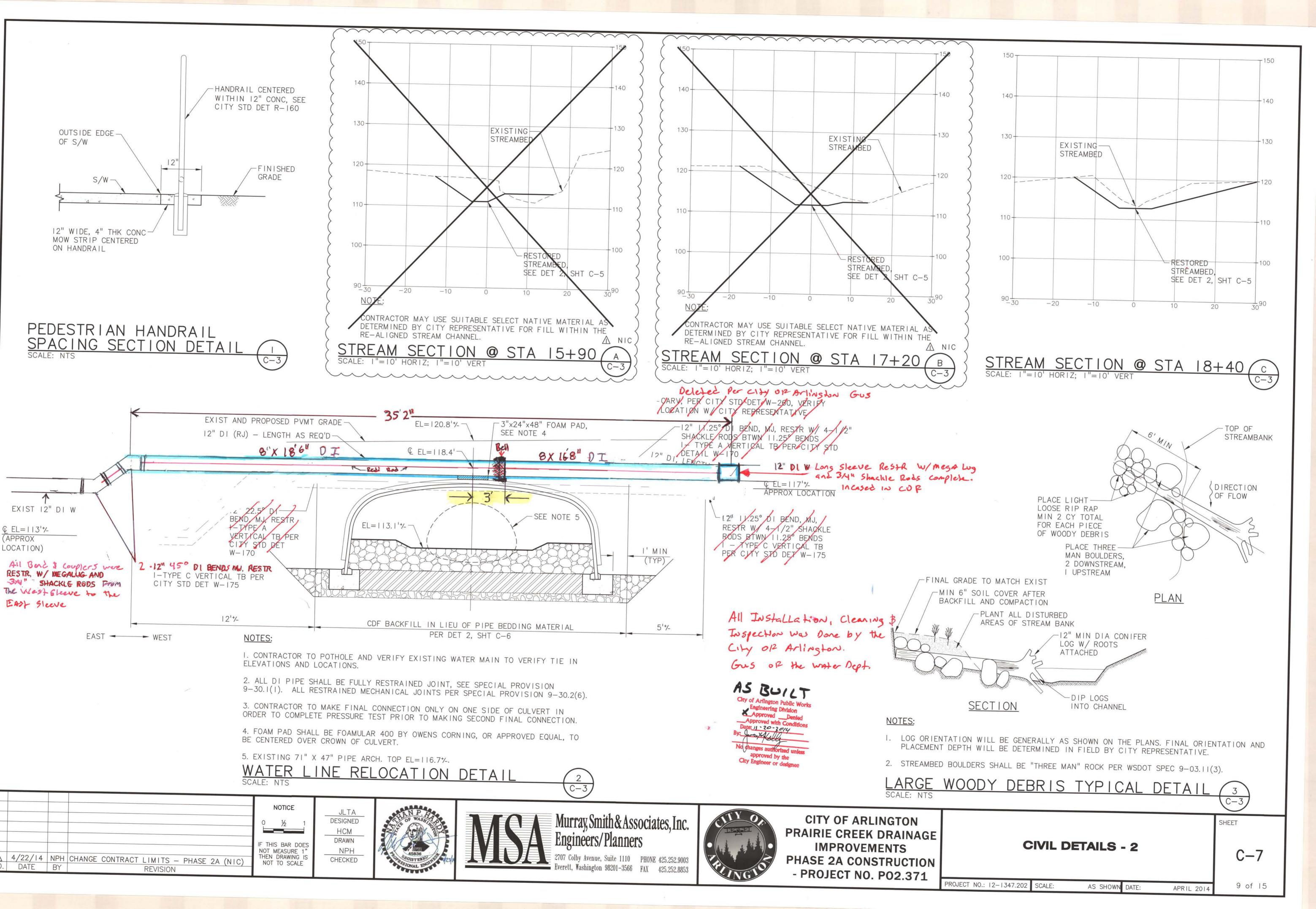
CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE **IMPROVEMENTS** PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

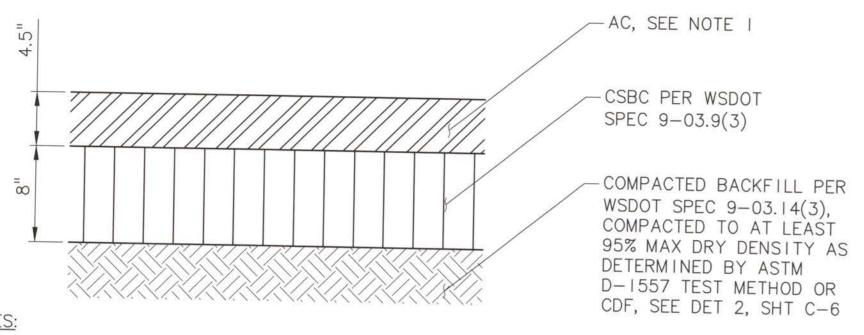
**CIVIL DETAILS - 1** 

C-68 of 15

SHEET

PROJECT NO.: 12-1347.202 | SCALE: AS SHOWN DATE: APRIL 2014

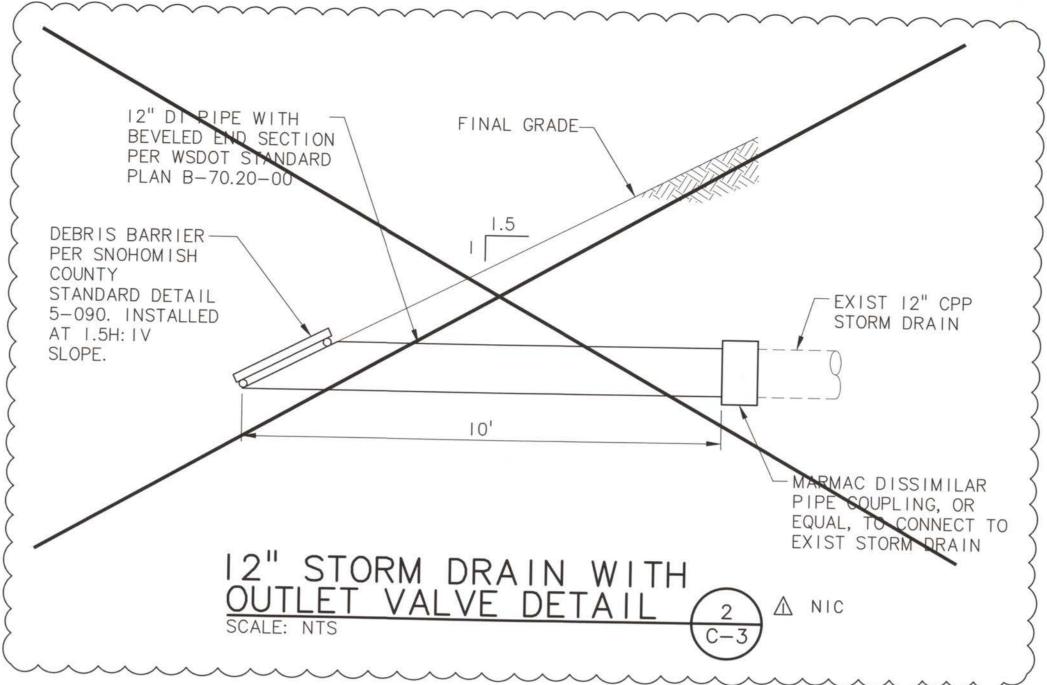


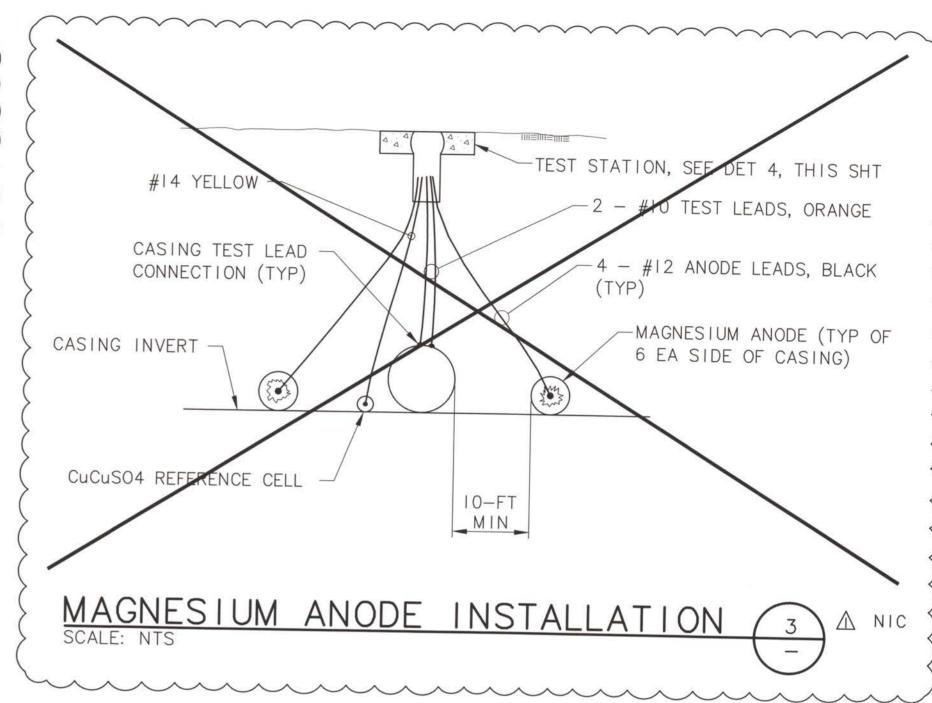


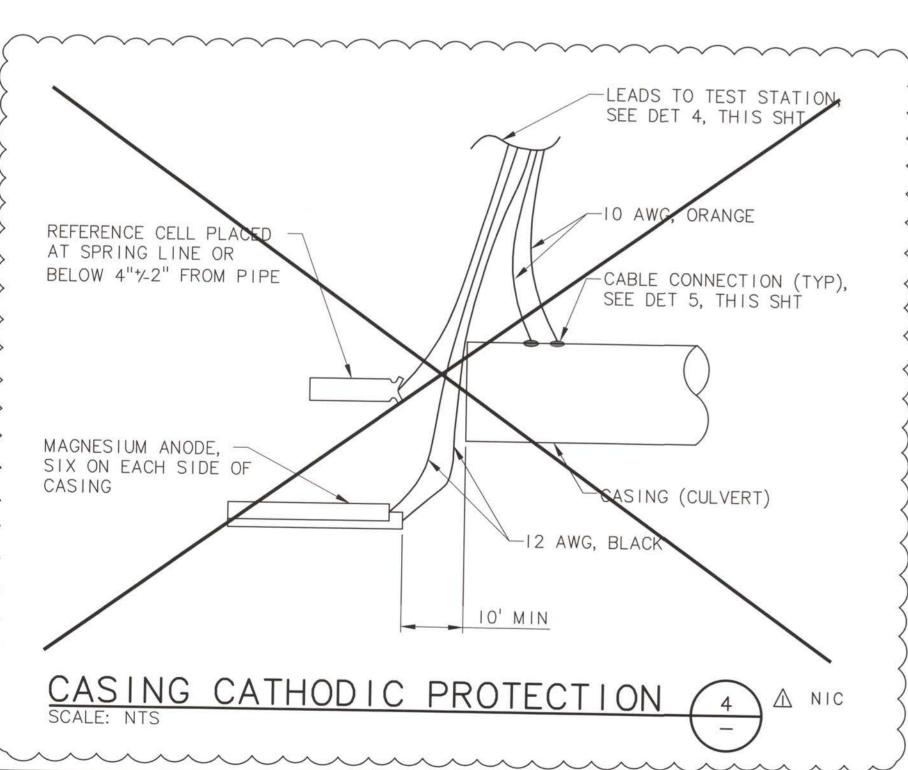
#### NOTES:

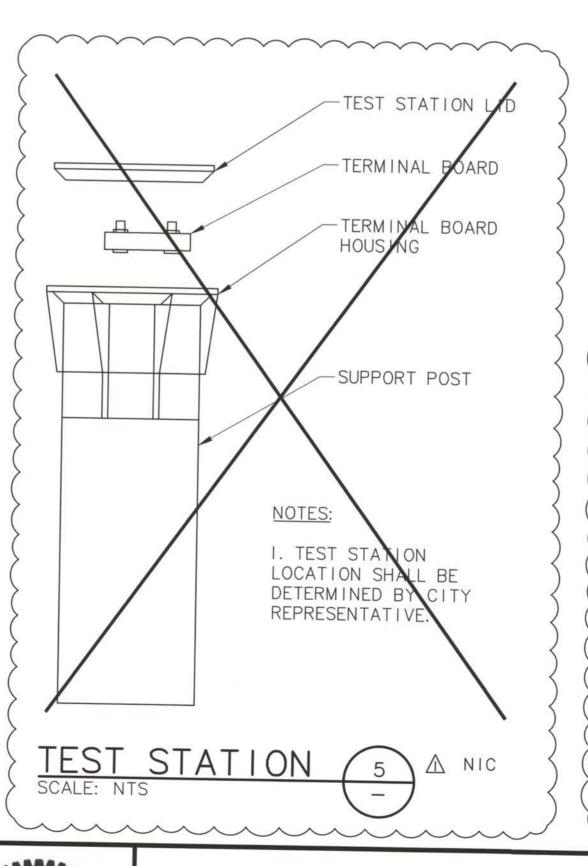
- I. HMA CLASS 1/2-INCH PG64-22 PER WSDOT SPEC 5-04.
- 2. ROADWAY RESTORATION SHALL BE FULL WIDTH PER CITY OF ARLINGTON DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, WITH THE EXCEPTION OF MODIFIED PAVEMENT SECTION SHOWN IN THIS DETAIL.

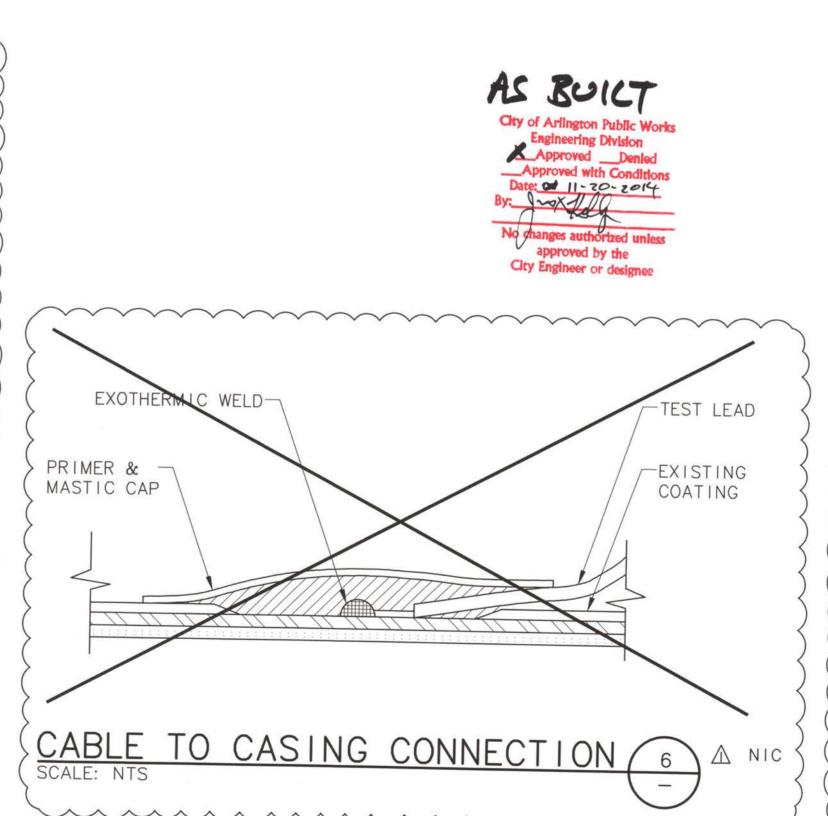


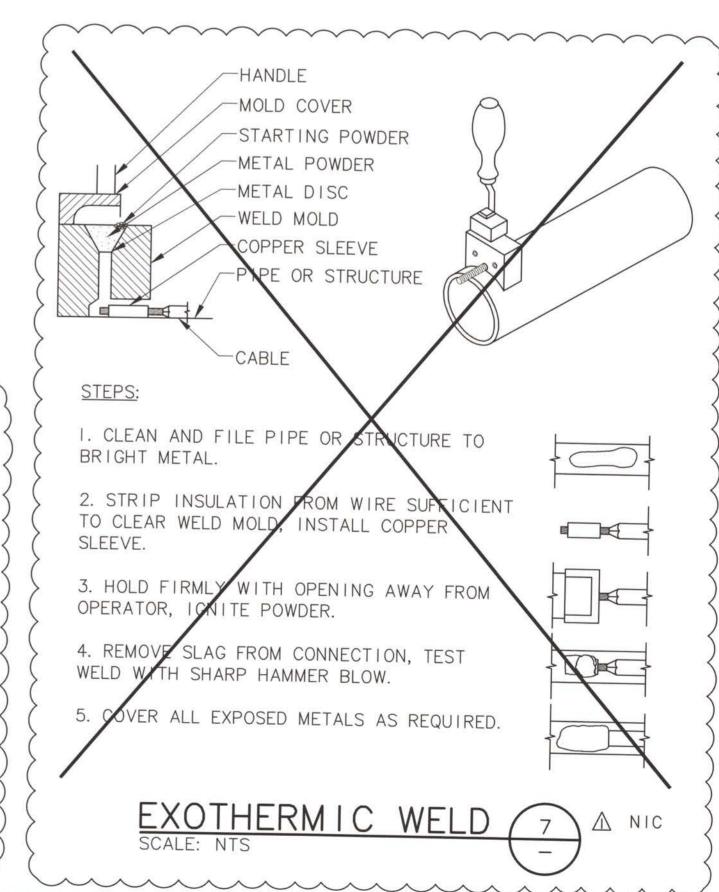


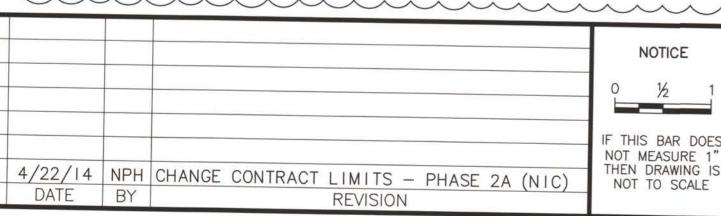














JLTA

DESIGNED

**HCM** 

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CHECKED





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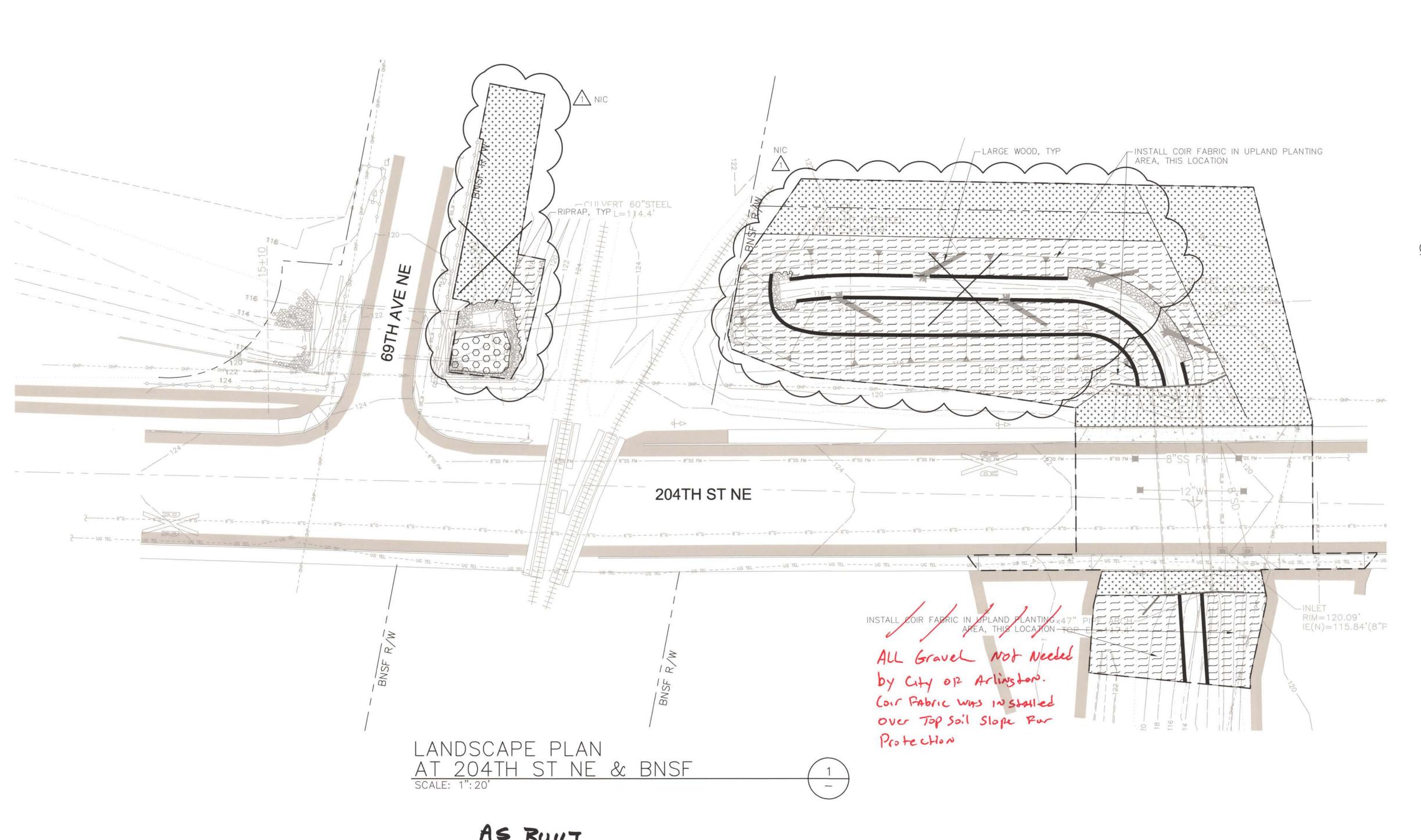
CITY OF ARLINGTON
PRAIRIE CREEK DRAINAGE
IMPROVEMENTS
PHASE 2A CONSTRUCTION
- PROJECT NO. PO2.371

**CIVIL DETAILS - 3** 

C-8

PROJECT NO.: 12-1347.202 SCALE: AS SHOWN DATE: APRIL 2014

014 | 10 of 15



LEGEND:

\_ \_ \_ CONSTRUCTION LIMITS

COIR LOG

EXISTING WETLAND

UPLAND PLANTING ZONE

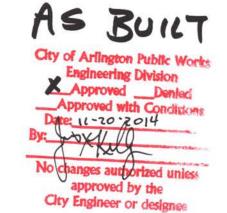
WETLAND PLANTING ZONE

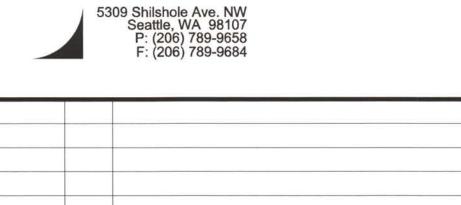
SEED MIX PLANTING ZONE

#### GENERAL NOTES:

- 1. EXISTING TREES AND SHRUBS SHALL BE PROTECTED AS INDICATED BY THE CITY REPRESENTATIVE AND PER SECTION 2-01.3
- 2. WETLAND PLANTING ZONE IS CONCEPTUAL AND SHALL BE ADJUSTED PER NEW STREAM ALIGNMENT CONDITIONS IN THE FIELD. LIVE POLES SHALL NOT BE PLANTED IN WATER. LIVE POLES NOT PLANTED IN STREAM/WETLAND ZONE SHALL BE PLANTED IN OTHER LOCATIONS AT THE DIRECTION OF THE CITY REPRESENTATIVE.
- 3. MULCH SHALL BE APPLIED IN A CONTINUOUS LAYER THROUGHOUT THE UPLAND PLANTING ZONE. SEE DETAILS ON SHEET L-3.







NO. DATE BY REVISION

ESA

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

AMC

DESIGNED

AMC

DRAWN

LA CHECKED



Murray, Smith & Associates, Inc. Engineers/Planners

 2707 Colby Avenue, Suite 1110
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**CITY OF ARLINGTON** PRAIRIE CREEK DRAINAGE **IMPROVEMENTS PHASE 2A CONSTRUCTION** - PROJECT NO. P02.371

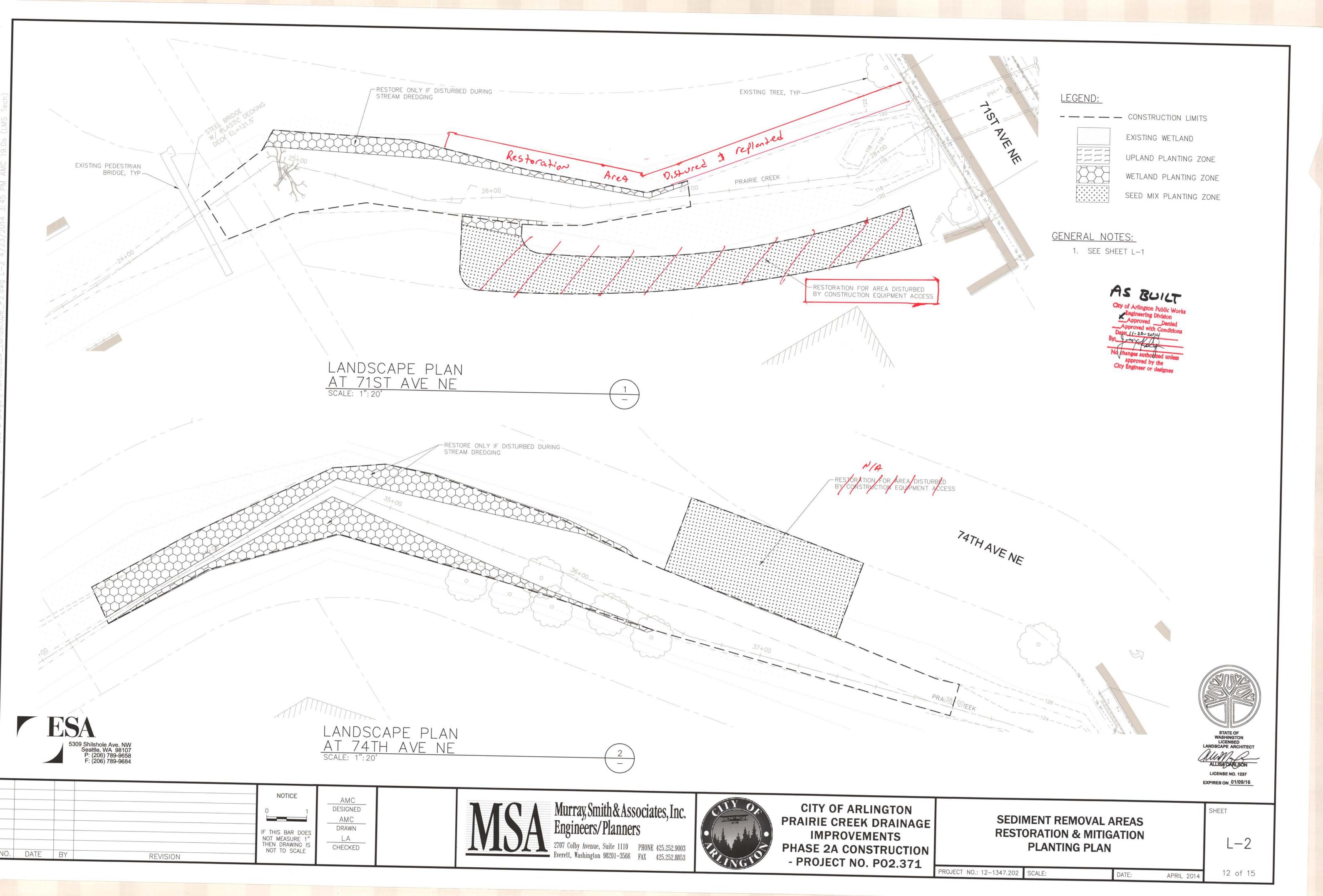
**204TH ST CULVERT RESTORATION &** MITIGATION PLANTING PLAN

SHEET

PROJECT NO.: 12-1347.202 SCALE:

L-1

APRIL 2014



# ALL Plants were Inspected Prior to Planting by Bill B.

AS BUILT

City of Arlington Public Works

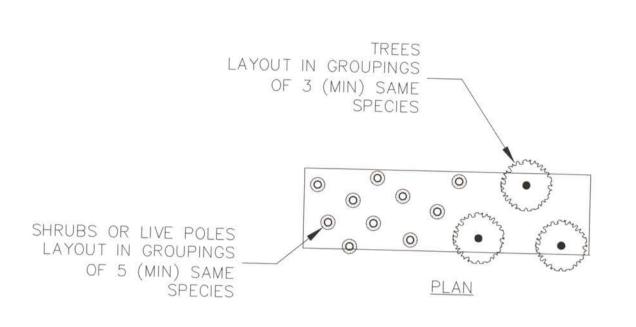
Engineering Division

Approved Denied

Approved with Conditions

Date: 11-20-2014

By: 9 20 40 approved by the City Engineer or designee



LIVE POLE, TYP-

SEE PLANT

SCHEDULE

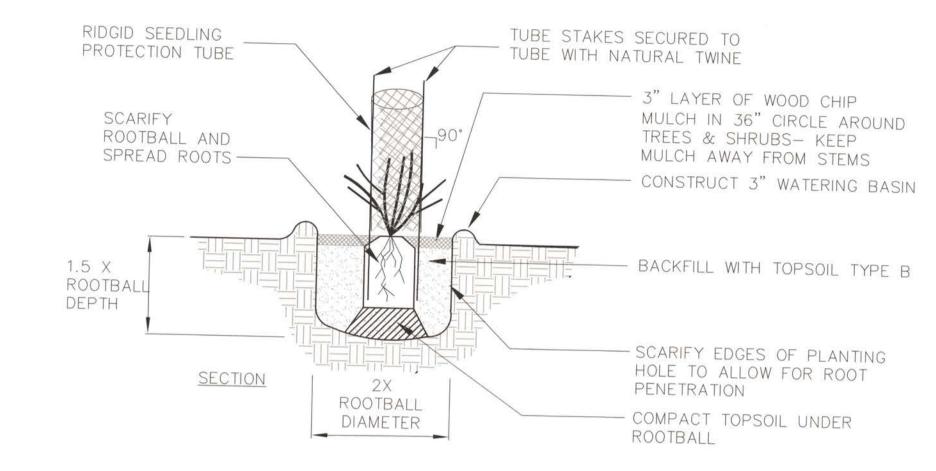
LIVE POLE CLUSTER
SCALE: NTS

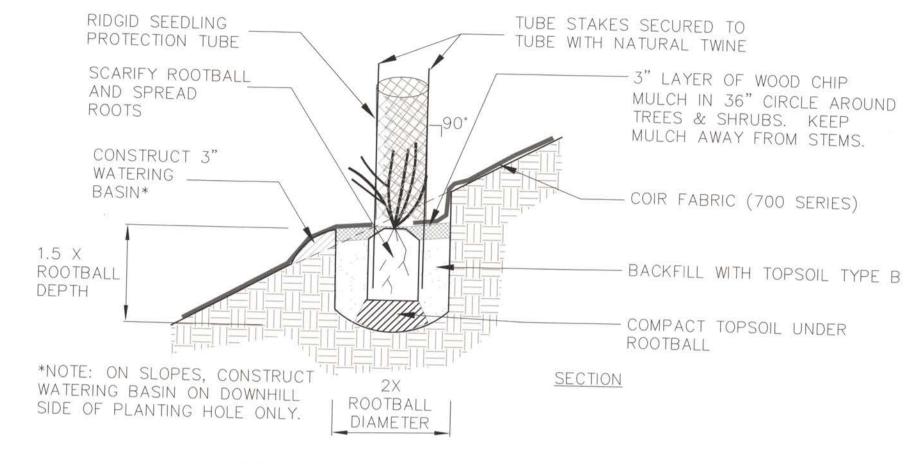
REVISION

TYPICAL PLANTING GROUPINGS, AREA AND SPACING VARIES, SEE PLANTING PLAN AND PLANTING SCHEDULE

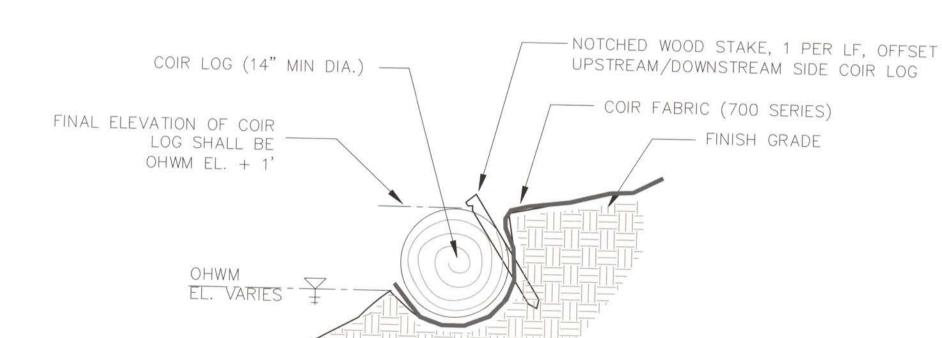
RETAIN EXISTING TREES AND SHRUBS WHERE POSSIBLE.

PROVIDE IMPORTED PLANT MATERIALS PER THE SPECIES, SIZES, AND SPACING SHOWN TO ENTIRELY COVER UNVEGETATED RESTORATION AREAS





## TYPICAL PLANT LAYOUT



TREE/SHRUB PLANTING

MINIMUM OF 4 LATERAL

MAKE PILOT HOLES IN EXISTING SOIL WITH REBAR. TAMP SOIL AROUND LIVE POLES.

BUDS EXPOSED

ANGLE CUT BOTTOM AT 45 DEGREES

NOTE: AT LEAST 5 NODES SHALL BE BURIED.

NOTES:

1. FINAL PLACEMENT OF COIR LOG SHALL BE STAKED IN THE FIELD AND ACCEPTED BY CITY REPRESENTATIVE PRIOR TO INSTALLATION.

2. KEY COIR LOG AND DOWN SLOPE END OF COIR FABRIC INTO NATIVE SOIL.



## SLOPE PLANTING SCALE: NTS

PLANT SCHEDULE							
SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	OUANTITY			
UPLAND PLANTING	ZONE			accept the total acceptance accept the total acceptance acceptan			
TREES PSEUDOTSUGA MENZIESII FRAXINUS LATIFOLIA THUJA PLICATA	DOUGLAS FIR OREGON ASH WESTERN RED CEDAR	1 GAL 1 GAL 1 GAL	12', OC 12', OC 12', OC	3 3 3			
SHRUBS CORYLUS CORNUTA RIBES SANGUINEUM SAMBUCUS RACEMOSA SYMPHORICARPOS ALBUS ROSA PISOCARPA ROSA NUTKANA	BEAKED HAZELNUT RED CURRANT ELDERBERRY SNOWBERRY CLUSTER ROSE NOOTKA ROSE	1 GAL 1 GAL 1 GAL 1 GAL 1 GAL 1 GAL	4' 0C 4' 0C 4' 0C 4' 0C 4' 0C 4' 0C	15 10 20 20 20 20			
WETLAND PLANTING TREES	ZONE						
SALIX LUCIDA FRAXINUS LATIFOLIA PICEA SITCHENSIS	PACIFIC WILLOW OREGON ASH SITKA SPRUCE	LIVE POLE 1 GAL 1 GAL	3' 0C 8' 0C 8' 0C	125 40 40			
SHRUBS CORNUS STOLONIFERA	RED-OSIER DOGWOOD	LIVE POLE	3' OC	125			

#### NOTES:

1. ON SITE LIVE POLE CUTTINGS MAY BE SUBSTITUTED FOR A PORTION OF PACIFIC WILLOW QUANTITIES, UP TO 100% SUBSTITUTION, SEE SPECIAL



F: (206) 789-9684		

BY

NOTICE AMC DESIGNED AMC DRAWN NOT MEASURE LA THEN DRAWING IS CHECKED

SECTION



Murray, Smith & Associates, Inc. Engineers/Planners



SECTION

CITY OF ARLINGTON PRAIRIE CREEK DRAINAGE **IMPROVEMENTS** PHASE 2A CONSTRUCTION - PROJECT NO. P02.371

**RESTORATION & MITIGATION PLANTING DETAILS AND SCHEDULE**  SHEET

L-3

STATE OF WASHINGTON LICENSED LANDSCAPE ARCHITECT

LICENSE NO. 1237 EXPIRES ON 01/09/16

PROJECT NO.: 12-1347.202 | SCALE:

13 of 15 APRIL 2014