Three Creeks Wetland Restoration

Supplemental Specifications



BID DUE DATE: 8/26/2026

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CITY OF COLUMBUS

ANDREW J. GINTHER, MAYOR

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Wetland Creation, Enhancement, and Restoration Specification

SECTION SS-1 WETLAND CREATION, ENHANCEMENT, AND RESTORATION

PART 1 GENERAL

1.01 SUMMARY

- A. This work consists of activities involved with restoring, creating, or enhancing wetland. The scope of work shall also include work related to ford crossings, drain tile removal/abandonment, dewatering, and planting.
- B. This specification shall be considered supplemental to the City of Columbus Construction and Material Specifications, latest edition.

1.02 REFERENCES

A. This specification shall be considered supplemental to the City of Columbus Construction and Material Specifications, latest edition.

1.03 DEFINITIONS

1.04 SUBMITTALS

- A. Action Submittals:
- B. Informational Submittals:

1.05 QUALITY ASSURANCE

- A. The completed job shall present a workmanlike appearance and shall conform to the line, grades, and elevations shown on the drawings or as staked in the field.
- B. All operations shall be carried out in a safe and skillful manner. Safety and health regulations shall be observed and appropriate safety measures used.

1.06 SCHEDULING AND SEQUENCING

- A. Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limitations. See Item
- B. Subgrade Preparation: Complete applicable work specified in Item 204.
- C. Dewatering: Complete applicable work specified in Item 901.16.

PART 2 PRODUCTS

2.01 RIPRAP AND BOULDER MATERIAL – ITEM 703

- A. Refer to Contract Drawings for sizing and gradation requirements for ford materials.
- 2.02 TOPSOIL ITEM 652

2.03 LOGS AND WOODY DEBRIS FEATURES

- A. Refer to Item 201 and supplemental specifications provided below.
- B. Woody features shall be constructed from limbs, branches, or tree trunks sourced from on-site materials. Contractor shall fell and stockpile trees for re-use on this project.
- C. Contractor shall maintain rootballs as feasible.
- D. Trees shall not be mulched, limbed, or cut into smaller sections until use for construction.

2.04 SEED AND PLANT MATERIALS

A. Refer to Contract Drawings for size and species specifications applicable to this site.

PART 3 EXECUTION

3.01 SOIL PREPARATION

- A. To the extent needed, all suitable materials removed from the specified excavation shall be used in the construction of the planned earth embankments. Any spoil material not used in an earth embankment shall be stockpiled at locations shown on the drawings or as otherwise approved by the Engineer.
- B. Contractor shall minimize tracking equipment over wetland depressional areas to reduce over compaction.

3.02 DRAIN TILE REMOVAL / ABANDONMENT

- A. Subsurface drains shall be modified, removed, or abandoned as shown on the Construction Drawings. All envelope filter material or other flow enhancing material shall be removed. The trench shall be backfilled in 12 inch layers and compacted with similar soil to obtain a density of not less than the adjacent natural soils.
- B. The ends of the abandoned and disconnected drains shall be blocked with manufactured caps or plugs or with concrete. Any additional subsurface drains located during construction shall be brought to the attention of the City. For any subsurface drainage alterations, the upstream drainage must be maintained at its current capacity.

3.03 MICRO-TOPOGRAPHIC GRADING FOR WETLAND DEPRESSIONS AND HUMMOCKS

- A. Pools shall be excavated to the depths, dimensions and slopes as shown on the Construction Drawings and as staked in the field. Excavated materials shall be placed in areas designated on the Construction Drawings.
- B. Depressional pools shall be graded within -0.5 feet to +0.25 feet of finished grade and present as an uneven surface caused by rutting.
- C. Hummocks shall be graded within +/- 0.25 inches of finished grade.
- D. Graded slopes shall be at a 5V:1H or flatter. Stabilize slopes using erosion control matting (Item 671).
- E. Where fill material is needed, Contractor shall place fill in 8 inch lifts and compacted with the minimum passes necessary to hold grade.

3.04 WATER CONTROL STRUCTURES

A. Earthen berms used as water control structures shall be graded in accordance with Item 203.

3.05 STREAM CROSSING STRUCTURES

- A. This work shall apply to boulder vanes and fording areas as specified on the Construction Drawings.
- B. Exercise reasonable care to ensure that the finished surface of the protected channel conforms to the existing channel cross-sections shown on the Contract Drawings.
- C. Grade control boulders and filter material shall be placed over prepared subgrade to the grade and elevations shown on the Contract Drawings.
- D. Final grade elevation tolerances of 0.2 feet. Thickness of Grade Control shall be no less than thickness shown and not more than 3-inches greater than the thickness shown on the Contract Drawings.

3.06 SEEDING AND PLANTING

- A. Seeding shall be in accordance with Item 659.
- B. Planting and vegetation shall be in accordance with Item 661.

3.07 LOGS AND WOODY FEATURE INSTALLATION

A. Construction methods that enhance fish and wildlife will be used where practical. Trees stumps, and brush removed from the construction area shall be piled for fish and wildlife habitat.

- B. Contractor shall anchor logs and debris into the ground by using boulders and/or burying trunks a minimum of 1/3 the total length as measured from base of trunk to tip of main trunk line.
- C. Locations shown on the Contract Drawings are suggestions. Contractor shall meet with the City or their representative to field adjust locations.

END OF SECTION

Engineer's Estimate of Quantities

Base Bid Area (western and central fields) Engineer's Estimate of Quantities

1	#	BID ITEM	DESCRIPTION	UNIT	QUANTITY
2 201 Tree Removal, order 12" EA 129 3 201 Tree Removal, order 12" EA 57 4 201 Tree Removal, over 24" to 39" EA 13 5 201 Tree Removal over 24" to 39" EA 15 5 201 Tree Removal over 25" to 69" EA 5 6 203 6" Strip Toppool - Stockpile on Site CY 550 6 203 6" Strip Toppool - Stockpile on Site CY 550 7 203 Excessation CY 5280 8 203 Enbarkment - No Haud Off CY 5280 9 207 Stabilized Construction Entrance CY 11 10 207 Inled Protection Entrance CY 11 11 207 Compost Filter Sook LF 520 11 207 Inled Protection Entrance CY 11 11 207 Compost Filter Sook LF 520 13 623 Construction Layout and Stakes LS 1 14 624 Mobilization/Demobilization LS 1 15 685 Tree Protection Fenning EA 11 16 659 Terporary Seeding Stukehing - Wetland Mix @1 LBS/AC SY 15 17 659 Permanent Seeding & Mulching - Upland Mix @ 10 LBS/AC SY 124.116 18 659 Permanent Seeding & Mulching - Upland Mix @ 10 LBS/AC SY 124.116 19 659 Permanent Seeding & Mulching - Puland Mix @ 10 LBS/AC SY 124.116 19 659 Permanent Seeding & Mulching - Puland Mix @ 10 LBS/AC SY 124.116 19 659 Permanent Seeding & Mulching - Puland Mix @ 10 LBS/AC SY 202313 21 659 Permanent Seeding & Mulching - Rener I Filter Mix @ 10 LBS/AC SY 202313 21 659 Permanent Seeding & Mulching - Rener I Filter Mix @ 10 LBS/AC SY 202313 22 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 24 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 25 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 26 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 27 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 28 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 29 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 30 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 30 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 30 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 31 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 30 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 299 31 661 Tree Seedling, Bareroot Planting, Red Mulberry EA 29	1	201	Clearing and Grubbing	LS	1
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55 661 Shrub Seedling, Bareroot Planting, Red Chokeberry EA 190			<u> </u>	EA	190
	56	661	Shrub Seedling, Bareroot Planting, Buttonbush	EA	190

57	661	Shrub Seedling, Bareroot Planting, Red-Osier Dogwood	EA	190
58	661	Shrub Seedling, Bareroot Planting, Common Winterberry	EA	190
59	661	Shrub Seedling, Bareroot Planting, Ninebark	EA	190
60	661	Shrub Seedling, Bareroot Planting, Silky Wllow	EA	190
61	661	Tree Seedling, Live Stake, Silky Dogwood	EA	588
62	661	Tree Seedling, Like Stake, Black Wllow	EA	588
63	661	Shrub Seedling, Live Stake, Button Bush	EA	588
64	661	Shrub Seedling, Live Stake, Elderberry	EA	588
65	661	Tree Seedling, Live Posts (6" DSH x 6' Long), Sycamore	EA	75
66	661	Deciduous Tree, 2" Caliber Tree, Red Maple	EA	11
67	661	Deciduous Tree, 2" Caliber Tree, River Birch	EA	17
68	661	Deciduous Tree, 2" Caliber Tree, Pin Oak	EA	7
69	661	Deciduous Tree, 2" Caliber Tree, American Sycamore	EA	10
70	661	Deciduous Tree, 2" Caliber Tree, Swamp White Oak	EA	15
71	661	Deciduous Tree, 2" Caliber Tree, Black Willow	EA	7
72	661	Deciduous Tree, 2" Caliber Tree, Sugar Maple	EA	23
73	661	Deciduous Tree, 2" Caliber Tree, Common Hackberry	EA	5
74	661	Deciduous Tree, 2" Caliber Tree, Eastern Redbud	EA	7
75	661	Deciduous Tree, 2" Caliber Tree, Tulip Poplar	EA	28
76	661	Deciduous Tree, 2" Caliber Tree, White Oak	EA	15
77	661	Deciduous Tree, 2" Caliber Tree, Burr Oak	EA	12
78	661	Deciduous Tree, 2" Caliber Tree, Northern Red Oak	EA	16
79	661	Deciduous Shrub, 2 Gal Container, Smooth Alder	EA	21
80	661	Deciduous Shrub, 2 Gal Container, Red Chokeberry	EA	11
81	661	Deciduous Shrub, 2 Gal Container, Buttonbush	EA	17
82	661	Deciduous Shrub, 2 Gal Container, American Elderberry	EA	11
83	661	Deciduous Shrub, 2 Gal Container, Allegheny Serviceberry	EA	13
84	661	Deciduous Shrub, 2 Gal Container, Common Witch Hazel	EA	9
85	661	Deciduous Shrub, 2 Gal Container, Arrowwood Viburnum	EA	12
86	661	Deciduous Shrub, 2 Gal Container, Nannyberry	EA	10
87	661	Deciduous Shrub, 2 Gal Container, Blackhaw Viburnum	EA	16
88	666	Tree Root Pruning, over 36"	EA	3
89	712	Type E Temporary Erosion Control Matting	SY	8500
90	SPECIAL	Invasive Removal	LS	1
91	SPECIAL	Woody Habitat Features (Salvage trees, branches and rootwads)	EA	30
92	SPECIAL	Boulder Cross-vane	EA	1
93	SPECIAL	Low-water Crossing	CY	1
94	SPECIAL	Bentomat	SY	1625
95	SPECIAL	No Mow Flexible Post	EA	17
96	SPECIAL	SCPZ Sign	EA	19

NOTES: The quantities provided are engineer's estimates for general guidance only. It is the responsibility of the Contractor to verify all quantities and conditions shown in the bid documents and plans. The Contractor shall not rely solely on these estimates for bidding or construction purposes. No additional compensation will be considered for discrepancies in quantities that could have been reasonably verified by reviewing the bid documents.

Alternate Area (western and central fields) Engineer's Estimate of Quantities

#	BID ITEM	DESCRIPTION	UNIT	QUANTITY
1	201	Clearing and Grubbing	LS	1
2	202	Drain Tile Removal/Demolition	LS	1
3	203	6" Strip Topsoil - Stockpile on Site	CY	135
4	203	Excavation	CY	1064
5	203	Embankment - No Haul Off	CY	1064
6	207	Compost Filter Sock	LF	364
7	304	6" Aggregate Subase	CY	27
8	623	Construction Layout and Stakes	LS	1
9	624	Mobilization/Demobilization	LS	1
10	655	Tree Protection Fencing	EA	3
11	659	Temporary Seeding	SY	3
12	659	Permanent Seeding & Mulching - Wetland Mix @ 15 LBS/AC	SY	29,312
13	659	Permanent Seeding & Mulching - Upland Mix @ 20 LBS/AC	SY	24877
14	659	Permanent Seeding & Mulching - Native Lawn Mix @ 10 LBS/AC	SY	1400
15	659	Permanent Seeding & Mulching - General Filler Mix @ 10 LBS/AC	SY	54401
16	659	Topsoil (Re-spread Stockpile)	CY	135
17	661	Tree Seedling, Bareroot Planting, Sugar Maple	EA	116
18	661	Tree Seedling, Bareroot Planting, Red Oak	EA	116
19	661	Tree Seedling, Bareroot Planting, Red Mulberry	EA	119
20	661	Tree Seedling, Bareroot Planting, Hackberry	EA	119
21	661	Tree Seedling, Bareroot Planting, Redbud	EA	116
22	661	Tree Seedling, Bareroot Planting, Honey Locust	EA	116
23	661	Tree Seedling, Bareroot Planting, Tulip Poplar	EA	116
24	661	Tree Seedling, Bareroot Planting, White Oak	EA	116
25	661		EA EA	119
		Tree Seedling, Bareroot Planting, Bur Oak		
26	661	Tree Seedling, Bareroot Planting, Chinquapin Oak	EA	119
27	661	Tree Seedling, Bareroot Planting, Black Cherry	EA	116
28	661	Tree Seedling, Bareroot Planting, Boxelder	EA	158
29	661	Tree Seedling, Bareroot Planting, Red Maple	EA	158
30	661	Tree Seedling, Bareroot Planting, Peachleaf Willow	EA	158
31	661	Tree Seedling, Bareroot Planting, River Birch	EA .	198
32	661	Tree Seedling, Bareroot Planting, American Hornbeam	EA	158
33	661	Tree Seedling, Bareroot Planting, Common Hackberry	EA	158
34	661	Tree Seedling, Bareroot Planting, American Sycamore	EA	198
35	661	Tree Seedling, Bareroot Planting, Eastern Cottonwood	EA	158
36	661	Tree Seedling, Bareroot Planting, Swamp White Oak	EA	198
37	661	Tree Seedling, Bareroot Planting, Pin Oak	EA	198
38	661	Tree Seedling, Bareroot Planting, Black Willow	EA	119
39	661	Tree Seedling, Bareroot Planting, American Elm	EA	119
40	661	Shrub Seedling, Bareroot Planting, Black Chokeberry	EA	128
41	661	Shrub Seedling, Bareroot Planting, Serviceberry	EA	51
42	661	Shrub Seedling, Bareroot Planting, Elderberry	EA	120
43	661	Shrub Seedling, Bareroot Planting, Hazelnut	EA	54
44	661	Shrub Seedling, Bareroot Planting, American Witchazel	EA	62
45	661	Shrub Seedling, Bareroot Planting, Grey Dogwood	EA	54
46	661	Shrub Seedling, Bareroot Planting, Nannyberry	EA	128
47	661	Shrub Seedling, Bareroot Planting, Arrowhead	EA	54
48	661	Shrub Seedling, Bareroot Planting, Blackhaw	EA	62
49	661	Shrub Seedling, Bareroot Planting, Smooth Alder	EA	66
50	661	Shrub Seedling, Bareroot Planting, Red Chokeberry	EA	66
51	661	Shrub Seedling, Bareroot Planting, Buttonbush	EA	66
52	661	Shrub Seedling, Bareroot Planting, Red-Osier Dogwood	EA	66
53	661	Shrub Seedling, Bareroot Planting, Common Winterberry	EA	66
54	661	Shrub Seedling, Bareroot Planting, Ninebark	EA	66
55	661	Shrub Seedling, Bareroot Planting, Nillebank Shrub Seedling, Bareroot Planting, Silky Wllow	EA	66
56	661	Tree Seedling, Live Stake, Silky Dogwood	EA	150
57			EA EA	150
58	661 661	Tree Seedling, Like Stake, Black Wllow	EA EA	150
30	001	Shrub Seedling, Live Stake, Button Bush	EA	150

59	661	Shrub Seedling, Live Stake, Elderberry	EA	150
60	661	Tree Seedling, Live Posts (6" DSH x 6' Long), Sycamore	EA	25
61	661	Deciduous Tree, 2" Caliber Tree, Sugar Maple	EA	1
62	661	Deciduous Tree, 2" Caliber Tree, Common Hackberry	EA	8
63	661	Deciduous Tree, 2" Caliber Tree, Eastern Redbud	EA	10
64	661	Deciduous Tree, 2" Caliber Tree, White Oak	EA	7
65	661	Deciduous Tree, 2" Caliber Tree, Northern Red Oak	EA	1
66	703	2" Type B Limestone Surface Coarse for Item 410	CY	9
67	SPECIAL	Invasive Removal	LS	1
68	SPECIAL	Woody Habitat Features (Salvage trees, branches and rootwads)	EA	15
69	SPECIAL	Bench	EA	2

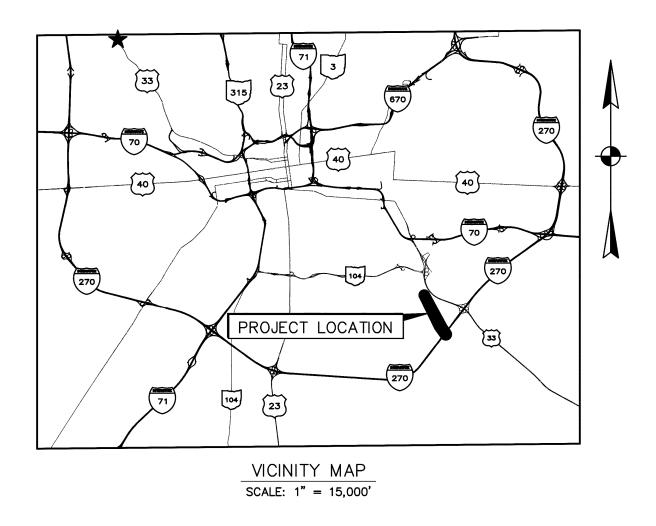
NOTES: The quantities provided are engineer's estimates for general guidance only. It is the responsibility of the Contractor to verify all quantities and conditions shown in the bid documents and plans. The Contractor shall not rely solely on these estimates for bidding or construction purposes. No additional compensation will be considered for discrepancies in quantities that could have been reasonably verified by reviewing the bid documents.

CC18773 Plans for Coordination Purposes Only

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE & DRAINAGE

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1

CAPITAL IMPROVEMENTS PROJECT NO. 650725-100004



FLOODZONE DATA

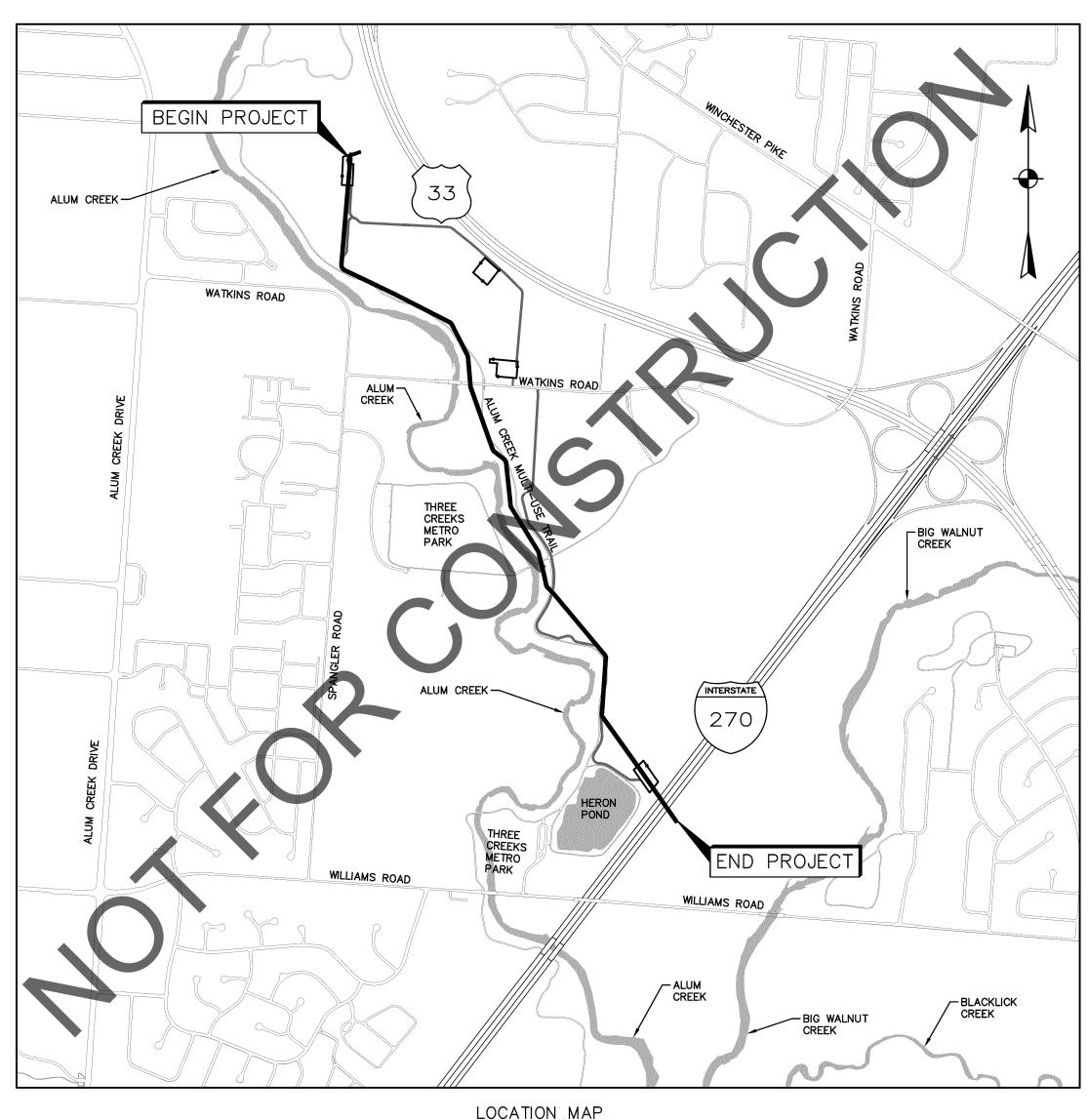
THIS PROJECT CONTAINS PORTIONS OF WORK LOCATED WITHIN ZONES "AE" AND "X" OF FEMA FLOOD INSURANCE RATE MAP NUMBERS 39049C0343K AND 39049C0341K. BASE FLOOD ELEVATIONS FOR THE MANHOLES AT THE PROJECT SITES ARE PROVIDED WITHIN THE MANHOLE WORK TABLE ON SHEET 4. MAPS REVISED JUNE 17, 2008.

WORK WITHIN THE 100-YR FLOODPLAIN

WORK WITHIN THE 100-YR FLOODPLAIN WILL RESULT IN 2,208 CY OF TEMPORARY NET FILL DURING THE CONSTRUCTION PERIOD. AFTER FINAL RESTORATION AT THE END OF THE PROJECT THERE WILL BE NO NET FILL. THE CUT AND FILL VOLUMES ARE SHOWN WITHIN THE TABLE BELOW, AND DETAILS OF HOW EACH OF THESE VOLUMES WERE CALCULATED CAN BE FOUND ON SHEETS 67-70.

A HEC-RAS STUDY WAS PERFORMED FOR BOTH INTERIM AND FINAL CONDITIONS. THE STUDY SHOWS THAT NO RISE WILL OCCUR AFTER FINAL RESTORATION, WHILE A MAXIMUM INCREASE IN THE 100-YR WATER SURFACE ELEVATION OF 0.1 FT WILL OCCUR DURING THE INTERIM CONDITIONS.

INTERIM CONSTRUCTION FINAL RESTORATION CONDITIONS			NET	
CUT	FILL CUT FILL			
2,091 CY	4,299 CY	4,410 CY	2,202 CY	0 CY



SCALE: 1" = 1,000'

INDEX OF SHEETS

TITLE SHEET	2-3 4 5 6 7
EXISTING JUNCTION CHAMBER DETAILS	21
SITE ACCESS PLAN — OVERALL MAP	23-26
BYPASS PLAN — OVERALL MAPBYPASS ACCESS PIT DETAILS	
PRIMARY BYPASS PLAN & PROFILES	
SUB-TRUNK BYPASS PLAN & PROFILES	
STORMWATER POLLUTION PREVENTION PLANSTONE STABILIZATION PLAN	
SWPPP SITE AND PATH DETAILS	52-64
FINAL RESTORATION PLAN	
TREE REPLACEMENT TABLE & DETAILSCUT AND FILL PLAN	07 70

STANDARD DRAWINGS - FOUND AT WWW.COLUMBUS.GOV

DEPARTMENT OF PUBLIC SERVICE

1441	7/01/21	PAVEMENT & UTILITY CUT REPAIR STANDARDS
1500	9/15/15	MAINTENANCE OF TRAFFIC GENERAL NOTES
2161	4/30/18	TEMPORARY PAVEMENT
2179	7/01/21	BACKFILL WITHIN RIGHT-OF-WAY
2230	4/30/18	TEMPORARY CONSTRUCTION ENTRANCE

DIVISION OF SEWERAGE AND DRAINAGE

AA-S106 7/9/12	TYPICAL ASSEMBLY COMBINATIONS FOR PRECAST MANHOLES
AA-S107 7/9/12	MISCELLANEOUS ITEMS PRECAST MANHOLES
AA-S119 8/8/14	MANHOLE STEP
AA-S143 12/6/13	STANDARD DIMENSIONS FOR 26" BOLT-DOWN FRAME & COVER
AA-S149 10/15/14	TYPE I BEDDING FOR FLEXIBLE SEWER PIPES 6" TO 60" DIAMETER
AA-S150 7/9/12	TRENCH INSTALLATION WITH MAXIMUM WIDTH SPECIFIED
AA-S151 7/9/12	TYPE I BEDDING FOR RIGID SEWER PIPES 6" TO 108" DIAMETER
AA-S153 7/9/12	TYPE II BEDDING FOR RIGID SEWER PIPE 30" TO 108" DIAMETER
AA-S161 12/6/13	TYPICAL CLEANOUT
AA-S171 12/15/16	MANHOLE RECONSTRUCTION AND REHABILITATION
AA-S175 2/26/16	PROJECT IDENTIFICATION SIGN

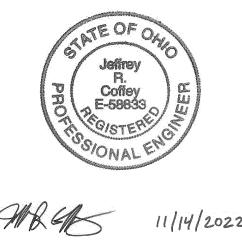
EARTH DISTURBED AREA

TOTAL DISTURBED AREA: 8.86 AC PRE-IMPERVIOUS AREA: 0.00 AC POST-IMPERVIOUS AREA: 0.00 AC

> OHIO EPA NOI PERMIT # 4GC08365*AG



EASEMENT REFERENCE			FERENCE		REVISIONS		
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE	
	VOL.	PAGE	GRANTOR				
							G
							REGIS



NJD frangskery	11/28/2022
SEWER SYSTEM ENGINEERING MANAGE DIVISION OF SEWERAGE & DRAINAGE	R, DATE
Patricia A. Austin JMG	11/17/2022
ADMINISTRATOR, DIVISION OF POWER	DATE
Rob Priestas	11/28/2022
ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE	DATE
TEH John Newsome	11/23/2022
ADMINISTRATOR, DIVISION OF WATER	DATE

THE PROJECT. ALL TECHNICA	AL DETAILS REMAIN TH	HE RESPONSIBILITY OF THE ENGINEER PREPARING	THE PLANS.
VJD fragskery	11/28/2022	Eristen L. Atha by AMA	11/30/2022
WER SYSTEM ENGINEERING MANAGEI VISION OF SEWERAGE & DRAINAGE	R, DATE	DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES	DATE
Patricia A. Austin Ing	11/17/2022	MM James Young	11/30/2022
DMINISTRATOR, DIVISION OF POWER	DATE	CITY ENGINEER/ADMINISTRATOR, DIVISOF DESIGN AND CONSTRUCTION	ION DATE
Rob Priestas	11/28/2022	Jennifer Gallagher	11/30/2022
DMINISTRATOR, DIVISION OF EWERAGE AND DRAINAGE	DATE	DIRECTOR, DEPARTMENT OF PUBLIC SERVICE	DATE
TEH John Newsome	11/23/2022	Don Evans E. Evans for Berni	ta1.04.3.R/20022
DMINISTRATOR, DIVISION OF WATER	DATE	DIRECTOR, DEPARTMENT OF RECREATION AND PARKS	DATE

APPROVALS: SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF

PROJECT	TITLE:	
	ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	- PHASE
	CITY OF COLUMBUS	0
		CON
		INS
		AGREEMENT

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS	OWNER]						
	CONTRACTOR			R	ISSUED STATUS: BID						
		INSPECTOR			SCALE:	SHEET:	1	OF	70		
	AGREEMENT			MPLETED	SOALL.		•		, 0		
	RPD	CKD	CLD CON. DR. RECORD FILE		CONTRACT DRAWING NO.		RECORD PL	AN NO.			
		DEX TAIL			CC-18773						

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTS IN EFFECT AT THE TIME OF SIGNATURE BY THE DIRECTOR OF THE DEPARTMENT OF PUBLIC UTILITIES, IN ADDITION TO ALL SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS PLAN UNLESS NOTED OTHERWISE.

ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR OF THE DIVISION OF SEWERAGE AND DRAINAGE.

2. NOTIFICATION

SPECIFICATIONS

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING DIVISIONS AT LEAST 48 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION. HOLIDAYS AND WEEKENDS EXCLUDED. WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD.

DIVISION OF SEWERAGE AND DRAINAGE	(614) 645-7490
DIVISION OF WATER	(614) 645-7788
DIVISION OF FIRE	(614) 221-3132
DIVISION OF POLICE	(614) 645-6676
DIVISION OF TRANSPORTATION	(614) 645-7790
DIVISION OF RECREATION AND PARKS	(614) 424-1553 (*30 DAYS NOTI

THE CONTRACTOR SHALL NOTIFY, IN WRITING, ALL ADJACENT LANDOWNERS A MINIMUM OF ONE WEEK IN ADVANCE OF WORK NEAR THEIR PROPERTY. THE CONTRACTOR SHALL CONTACT THE DIVISION OF SEWERAGE AND DRAINAGE FOR THE FORMAT OF THE NOTICE AND RECEIVE APPROVAL OF THE NOTICE PRIOR TO DISTRIBUTION.

3. PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE- PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE (614) 645-7497; FAX: (614) 645-1876; EMAIL: COLSPERMITS@COLUMBUS.GOV.

4. ADDITIONAL COMPENSATION

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SEPARATE UNIT PRICE IS GIVEN SHALL BE BID AS PER PLANS AND THE COSTS DISTRIBUTED AMONG THE VARIOUS BID ITEMS. SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS AS SHOWN. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS.

5. ELEVATION DATUM

ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAV88 DATUM.

6. BENCHMARKS

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, CORNERS, REFERENCE POINTS, AND STAKES. ANY BENCHMARK, PROPERTY CORNER, OR SURVEY MARKER DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

7. UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. THE UTILITY LOCATIONS INDICATED ARE NOT NECESSARILY COMPLETE OR CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHOWN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR COORDINATION OF ANY NECESSARY UTILITY RELOCATION WITH THE UTILITY OWNER. THE UTILITY COMPANY SHALL RELOCATE PRIVATE UTILITIES WITHIN THE ROW AT THEIR OWN EXPENSE. PUBLIC UTILITIES (WATERLINES, SEWERS, ETC.) SHALL BE RELOCATED AS SHOWN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EXPOSE UTILITIES AND STRUCTURES PRIOR TO THE CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 72 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.

WHERE PLANS PROVIDE FOR A PROPOSED SEWER TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES, BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED SEWER. THESE LOCATIONS ARE NOTED THUS: EXPOSE.

8. DIVISION OF SEWERAGE AND DRAINAGE UTILITIES

CITY OF COLUMBUS LOCATORS WILL ONLY LOCATE AND MARK MAIN LINE SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND FIELD VERIFYING THE LOCATION OF MAIN SEWER LINES. ANY DAMAGE AND/OR REPAIRS TO THE MAIN SEWER LINES OR SERVICE LATERALS ARE THE RESPONSIBILITY OF THE SEWER CONTRACTOR. REPAIRS MUST BE COMPLETED BY A LICENSED SEWER CONTRACTOR UNDER A SEPARATE SEWER PERMIT.

9. CLEAN WATER CONNECTIONS TO SANITARY SEWERS

ROOF DRAINS, FOUNDATION DRAINS, DRAIN TILES, AND OTHER CLEAN WATER

CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

10. CERTIFICATION OF PIPE AND STRUCTURES

ALL CONCRETE PIPE, STORM AND SANITARY STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE DESIGNATED REPRESENTATIVE OF THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

ANY EXCAVATION PERFORMED BEYOND THE MINIMUM TRENCH WIDTH, AS DEFINED ON DIVISION OF SEWERAGE AND DRAINAGE STANDARD CONSTRUCTION DRAWINGS AA-S149, AA-S151, AND AA-S153 DUE TO SITE CONDITIONS OR THE CONTRACTOR'S METHODS ARE DONE SO SOLELY AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHORIZED EXCAVATION. BLASTING IS NOT PERMITTED.

12. OPEN EXCAVATIONS

ALL EXCAVATIONS SHALL BE MAINTAINED AS SAFE AS POSSIBLE BY THE CONTRACTOR AT ALL TIMES AND BACKFILLED AS SOON AS PRACTICAL. OPEN EXCAVATIONS AFTER WORK HOURS REQUIRE TRAFFIC PLATES, AND/OR LIGHTED BARRICADES AND CONSTRUCTION FENCE. OPEN EXCAVATIONS SHALL BE PROTECTED TO THE 100-YEAR FLOOD ELEVATIONS.

13. PERMANENT PAVEMENT REPLACEMENT

PAVEMENT REPLACEMENT SHALL BE PER DEPARTMENT OF PUBLIC SERVICE STANDARD DRAWING 1441 DR. A, UNLESS OTHERWISE NOTED. PAYMENT SHALL BE BASED ON THE MINIMUM TRENCH WIDTH AS SHOWN ON STANDARD CONSTRUCTION DRAWINGS AA-S149, AA-S151, AND AA-S153. ANY EXCAVATION PERFORMED OR PAVEMENT REMOVED BEYOND THE MINIMUM TRENCH WIDTH, AND THE SUBSEQUENT PAVEMENT REPLACEMENT, DUE TO SITE CONDITIONS OR THE CONTRACTOR'S METHODS ARE DONE SOLELY AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL PAYMENT SHALL BE MADE FOR PERMANENT PAVEMENT REPLACEMENT.

14. CITY OF COLUMBUS PARK PROPERTY

CONTRACTOR SHALL CONTACT COLUMBUS RECREATION & PARKS DEPARTMENT AT (614) 645-3307 THIRTY (30) CALENDAR DAYS PRIOR TO ANY WORK ON OR NEAR PARK PROPERTY. CONTRACTOR SHALL SUBMIT A WORK SCHEDULE AND COORDINATE ACCESS. SCHEDULED EVENTS BY COLUMBUS RECREATION & PARKS SHALL TAKE PRECEDENCE AND CONTRACTOR WILL BE REQUIRED TO ADJUST WORK SCHEDULE AS NECESSARY FOR WORK ON PARK PROPERTY.

THE CONTRACTOR SHALL NOT STAGE/STORE ANY MATERIALS OR EQUIPMENT OUTSIDE OF THEIR WORK LIMITS IN COLUMBUS RECREATIONS & PARKS PROPERTY WITHOUT A PERMIT ISSUED BY COLUMBUS RECREATION & PARKS. PERMIT MUST BE POSTED ONSITE AT ALL TIMES.

ANY AND ALL PARK AREAS DISTURBED BY THE CONTRACTOR DURING THE COURSE OF THEIR WORK ACTIVITIES SHALL BE RESTORED TO LIKE OR BETTER CONDITIONS WITHIN THE TIME FRAMES NOTED IN THE APPROVED SCHEDULE AND SHALL BE TO THE SATISFACTORY OF THE OWNER CRPD.

ENTRY INTO A CITY PARK OR PARKLAND FOR CONSTRUCTION OR ANY OTHER NON-DESIGN USE IS PROHIBTED UNLESS A MOU IS IN PLACE. UNLESS SPECIFIC PERMISSIONS ARE GRANTED BY CRPD ACCESS TO, FROM, ON, OVER, UNDER, THROUGH, ACROSS OR OTHER RELATED NON-PARK OR NON-TRAIL USE OF TRAIL CORRIDOR/PARKLAND IS NOT GRANTED OR IMPLIED.

THE CONTRACTOR SHALL ALSO CONTACT THE CITY FORESTER RECREATION AND PARKS DEPARTMENT (PHONE: 614-645-3350) 24 HOUR PRIOR TO ANY CONSTRUCTION IN OR NEAR CITY OF COLUMBUS PARK PROPERTY.

15. TREE PRESERVATION

ALL TREES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, PRESERVED UNLESS APPROVAL TO REMOVE IS GIVEN IN WRITING BY THE ENGINEER OR THEIR REMOVAL HAS BEEN DESIGNATED ON THE PLAN. TREES REMOVED BY EITHER OF THE TWO PRECEDING AUTHORITIES SHALL BE PAID FOR UNDER CMSC ITEM 201, CLEARING AND GRUBBING. THE CONTRACTOR SHALL USE SPECIAL PRECAUTIONS TO AVOID DAMAGE TO ALL OTHER TREES. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO 18 INCHES BELOW GRADE. THE COST FOR TREE, BRUSH, AND STUMP REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. THE CONTRACTOR IS TO WORK WITH STAFF FROM THE DIVISION OF PARKS AND RECREATION (645-6648) ON ALL TREE REMOVAL.

ALL TREES, BRANCHES AND WOOD CHIPS REMOVED FROM THE PROJECT SHALL BE DELIVERED TO THE CITY OF COLUMBUS FOR BENEFICIAL USE. CONTRACTOR SHALL DELIVER TREES TO SOUTHWESTERLY COMPOSTING FACILITY, 7000 JACKSON PIKE, LOCKBOURNE, OHIO 43137 BETWEEN 7 AM TO 3 PM, MONDAY THROUGH FRIDAY. THIS REQUIREMENT MAY ONLY BE WAIVED IF APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL SUBMIT SCALE TICKETS FROM COMPOSTING FACILITY TO ENGINEER. STUMPS, ROOTS AND DEBRIS SHALL BE DISPOSED OF ACCORDING TO OTHER CONTRACT ITEMS.

PRUNING: BRANCHES OR GROWTH THAT INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE ENGINEER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE APPROVAL OF THE ENGINEER. THE BRANCHES SHALL BE REMOVED WITH A GOOD CLEAN CUT MADE FLUSH WITH THE PARENT TRUNK OR IF HAVING A GOOD HEALTHY LATERAL BRANCH, THE CUT SHALL BE A GOOD CLEAN SLANTING CUT CLOSE TO AND BEYOND THE HEALTHY BRANCH. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENT SHALL BE MADE. TREES DAMAGED OR DESTROYED THAT WERE NOT DESIGNATED FOR

REMOVAL OR APPROVED BY THE ENGINEER FOR REMOVAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. IF SUITABLE REPLACEMENT CANNOT BE DETERMINED, COMPENSATION BY THE CONTRACTOR FOR UNAUTHORIZED TREE REMOVAL SHALL INCLUDE SUFFICIENT ADDITIONAL LANDSCAPING AS DETERMINED BY RECREATION AND PARKS AND THE CITY FORESTER.

THIS PROJECT SHALL BE CONSIDERED TO BE WITHIN THE RANGE OF THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIST) AND NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), ALL CUTTING OF TREES MUST TAKE PLACE BETWEEN OCTOBER 1 AND MARCH 31.

FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE APPLICANT REIMBURSING CITY FORESTRY FOR THE COST OF ANY AND ALL DAMAGE AS DETERMINED BY THE CURRENT CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE PROTECTION AND REPLACEMENT.

THE CONTRACTOR SHALL FOLLOW THE MOST RECENT EDITION OF THE "AMERICAN NATIONAL STANDARDS INSTITUTE" (ANSI) A300 STANDARDS IN EFFECT AT THE TIME THE CONTRACT IS EXECUTED, WHICH ARE THE GENERALLY ACCEPTED INDUSTRY STANDARDS FOR TREE CARE PRACTICES. ANY WORK INVOLVING TREE CARE SHALL BE SUPERVISED BY AN "INTERNATIONAL SOCIETY OF ARBORICULTURE" (ISA) CERTIFIED ARBORIST.

ANY TREES DAMAGED OR DESTROYED DUE TO CONTRACTOR NEGLIGENCE SHALL BE TREATED OR REMOVED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, REPLACE THE DESTROYED TREES PER THE CITY'S TREE PROTECTION AND MITIGATION POLICY AS PART OF THE WORK.

THE STANDARDS CAN BE FOUND FOR REFERENCE AT THE DEPARTMENT OF RECREATION AND PARKS FORESTRY SECTION OFFICE AT:

DEPARTMENT OF RECREATION AND PARKS, FORESTRY SECTION 1533 ALUM INDUSTRIAL DR. W COLUMBUS, OHIO 43209 (614) 645-6640

16. STREAM CORRIDOR PROTECTION ZONE

IT SHALL BE UNLAWFUL FOR ANY PERSON TO BREAK, DEFACE, INJURE, MUTILATE, KILL OR DESTROY ANY TREE, SHRUB OR EVERGREEN IN THE "STREAM CORRIDOR PROTECTION ZONE" IN THE CITY OF COLUMBUS.

UNLESS OTHERWISE EXEMPT, ALL DEVELOPMENT AND REDEVELOPMENT PROJECTS THAT INCLUDE A PORTION OF THE OF THE STREAM CORRIDOR PROTECTION ZONE STREAMBANK EROSION AND TO PROTECT STREAM HABITAT.

THE STREAM CORRIDOR PROTECTION ZONE SHALL BE KEPT IN AS NATURAL A STATE AS POSSIBLE SO THAT IT CAN PERFORM ITS INHERENT FUNCTION OR PROTECTION, FLOOD STORAGE, AND WATER QUALITY PROTECTION. IN ORDER TO ENSURE THE PERMANENT PROTECTION OF THE ZONE. ALL DISTURBANCES MUST BE MITIGATED THROUGH REFORESTATION AND REVEGETATION.

HEN REMOVAL IS NECESSARY, THE CONSULTANT OR THE CONTRACTING DEPARTMENT SHALL PREPARE A STREAMBANK RESTORATION PLAN THAT INCORPORATES BIOENGINEERING TECHNIQUES FOR COMPENSATORY FLOODPLAIN FILL WORK THAT OCCURS IMMEDIATELY ADJACENT TO THE STREAMBANK. THE STREAMBANK RESTORATION PLAN SHALL BE SUBMITTED TO BE REVIEWED AND APPROVED BY THE RECREATION AND PARKS/CITY FORESTER PRIOR TO FINAL CONSTRUCTION PLAN/FINAL SITE COMPLIANCE APPROVAL

THE REQUIREMENTS OF CMSC ITEM 653 SHALL GOVERN THE CONSTRUCTION OF THIS WORK. FOUR INCHES OF TOPSOIL SHALL BE PLACED OVER ALL DISTURBED AREAS THAT ARE TO BE SEEDED AND MULCHED. FINAL GRADES SHALL CONFORM TO THOSE SHOWN ON THE PLANS. TOPSOIL FOUND SUITABLE BY THE PROJECT ENGINEER DURING CLEARING AND GRUBBING SHALL BE SEGREGATED FROM THE OTHER EXCAVATED MATERIAL AND STOCKPILED FOR REUSE. PAYMENT FOR SEGREGATING, STOCKPILING AND REUSE OF STOCKPILED TOPSOIL SHALL BE INCLUDED IN THE AMOUNT BID FOR CMSC ITEM 624. IF STOCKPILED TOPSOIL IS INSUFFICIENT. THE ENGINEER MAY DIRECT THE CONTRACTOR TO IMPORT ADDITIONAL TOPSOIL. IMPORTED TOPSOIL SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR CMSC ITEM 653, TOPSOIL FURNISHED AND PLACED, AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR IS URGED TO USE COM-TIL COMPOST IN TOPSOIL BLENDS. COM-TIL WILL BE PROVIDED AT NO COST TO THE CONTRACTOR AND MAY BE OBTAINED AT THE SOUTHWESTERLY COMPOSTING FACILITY. 7000 JACKSON PIKE. LOCKBOURNE, OHIO 43137 BETWEEN 7AM AND 3PM, MONDAY THROUGH FRIDAY.

18. NON-PERFORMANCE

IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS OR OTHER WARNING OR PROTECTIVE DEVICES) REQUIRED OF THE CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. IF THE CONTRACTOR REFUSES OR FAILS WITHIN A REASONABLE TIME TO PERFORM OR CAUSE THE PERFORMANCE OF SUCH WORK, THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR IN THE AMOUNT PROVIDED HEREIN BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE CITY.

19. BIKE PATH FACILITIES

ANY OR ALL ACTIVITIES THAT MAY BE ADJACENT TO OR COULD POTENTIALLY DISTURB A CITY BIKE PATH OR HAVE ANY IMPACTS TO NORMAL BIKE PATH FLOW MUST CONTACT THE RECREATION AND PARKS DEPT. GREENWAYS PLANNER AT \ BRWESTALL@COLUMBUS.GOV OR 614-645-2441 AND PROPERTY MANAGER. TINA MOHN AT TMMOHN@COLUMBUS.GOV OR 614-645-3395, PRIOR TO ANY WORK COMMENCING. CONTRACTOR MUST PROVIDE A MINIMUM OF 2 WEEKS COORDINATION TIME FOR ONSITE MEETINGS, SIGNAGE PLACEMENT, RESTORATION PLANNING, DISTURBANCE AND/OR CLEARING LIMIT REVIEW. UNLESS SPECIFICALLY NOTED ON THESE PLANS, ACCESS TO OR USE OF ANY CITY BIKE PATH OR AREA ADJACENT TO A BIKE PATH IS NOT GRANTED OR IMPLIED.

PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT A VEHICLE/EQUIPMENT TRAFFIC PLAN INCLUDING IDENTIFICATION NUMBERS, TYPE OF VEHICLE/EQUIPMENT TO BE USED, WEIGHT OF VEHICLE/EQUIPMENT AND THE CONSTRUCTION PURPOSE FOR THE VEHICLE/EQUIPMENT. ONLY APPROVED VEHICLES/EQUIPMENT SHALL BE PERMITTED ON THE BIKE PATH.

BIKE PATH SHALL REMAIN OPEN AT ALL TIMES. IF A TEMPORARY CLOSURE IS ABSOLUTELY NECESSARY DUE TO CONTRACTORS ACTIVITIES, CONTRACTOR SHALL NOTIFY ENGINEER AND PARK RANGER IMMEDIATELY, PLACE SIGNAGE 500' IN ADVANCE TO NOTIFY PATH USERS OF CLOSURE, AND PROVIDE A TEMPORARY ROAD DETOUR AROUND THE CLOSURE.

20. STORMWATER FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLE COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION.

21. ILLICIT DISCHARGES

IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO A STORM SEWER THAT. IN THE ESTIMATE OF THE ENGINEER, MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, COLUMBUS PUBLIC HEALTH SHALL BE CONTACTED AT 645-6448 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY'S STORM SEWER SYSTEM.

22. LICENSED SEWER TAPPER REQUIREMENT

IT SHALL BE UNLAWFUL FOR ANY PERSON TO ENGAGE IN THE BUSINESS OF SEWER TAPPING AND SEWER BUILDING, OR TO OPEN OR TAP ANY SEWER IN ANY STREET, ALLEY OR ANY PUBLIC OR PRIVATE PLACE OR REHABILITATION OF ANY SEWER OR APPURTENANCES (INCLUDING MANHOLES, INLETS AND SERVICE LATERALS) IN THE CITY OF COLUMBUS WITHOUT FIRST SECURING LICENSE TO ENGAGE IN SUCH BUSINESS, AS INDICATED IN COLUMBUS CITY CODE SECTION 1131.01. UTILIZATION OF SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE, IN PARTICULAR SECTION 4114.119 AND 4114.529.

23. WATER, SANITARY, STORM, AND PRIVATE UTILITY SERVICE LINES

THE EXISTING WATER, SANITARY, STORM, AND PRIVATE UTILITY SERVICE LINES THAT ARE SHOWN ON THE PLANS HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION (FIELD MARKED, TAP CARD RECORDS, PLAN LOCATION. USE OF VALVE BOXES, ETC.).

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL OTHER UTILITY LINES AND INCLUDE THE COST OF CROSSING THESE LINES UNDER THE VARIOUS PAY ITEMS OF THIS CONTRACT. REQUESTS FOR EXTRA COMPENSATION FOR THE DELAY OR LOSS OF PRODUCTIVITY CAUSED BY THESE CROSSINGS WILL BE DENIED. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO THE SERVICE LINES AT HIS EXPENSE.

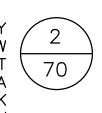
24. SEWER MAINTENANCE NOTIFICATION

THE CONTRACTOR SHALL NOTIFY THE DIVISION OF SEWERAGE AND DRAINAGE SEWER MAINTENANCE OPERATION CENTER AT LEAST 24 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION BY CALLING (614) 645-7102 DURING THE HOURS OF 7:30 A.M. TO 5:00 P.M., MON.-FRI.

25. LATERAL STATUS DETERMINATION

SEWER SERVICE LATERALS NOT ASSOCIATED WITH A STRUCTURE AND OTHER SEWER LINES TYING INTO THE EXISTING SEWERS SHALL BE TESTED TO DETERMINE IF THEY ARE ACTIVE. IT IS THE INTENT OF THIS CONTRACT TO REESTABLISH ONLY THOSE LATERAL SEWERS THAT ARE ACTIVE, OR FOR WHICH INACTIVITY CAN NOT BE CONFIRMED.

	EASEMENT REFERENCE REVISIONS		REFERENCE REV			5		PROJECT TITLE:			CITY OF COLUMBU DEPARTMENT OF PUBLIC	
CITY	COUNTY RECORDER O. DESCRIPTION APPROVAL/DATE		ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION	1	DIVISION OF SEWERAGE AND DRAINAGE							
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									INDEX DETAIL	RECORD FILE	CC-18773	



26. AIR/NOISE CONTROL CONSTRUCTION EQUIPMENT SHALL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS. ALL CONSTRUCTION VEHICLES SHALL BE EQUIPPED WITH PROPER

EMISSION CONTROL EQUIPMENT. PERIODICALLY CHECK EQUIPMENT AND MACHINERY FOR PROPER TUNING TO MINIMIZE EXHAUST EMISSIONS AND NOISE. BAFFLES SHALL BE INSTALLED ON BOILER TUCKS TO MINIMIZE NOISE.

27. CONSTRUCTION WITHIN FRANKLIN COUNTY

ALL WORK WITHIN FRANKLIN COUNTY ROAD RIGHT-OF-WAY (WATKINS ROAD) IS SUBJECT TO THE INSPECTION AND APPROVAL OF THE FRANKLIN COUNTY ENGINEER PER 105.14. THE CONTRACTOR SHALL SECURE A WRITTEN PERMIT FROM THE FRANKLIN COUNTY ENGINEER, 970 DUBLIN ROAD, COLUMBUS, OHIO, TWO (2) WORKING DAYS IN ADVANCE OF STARTING ANY WORK WITHIN ROAD RIGHT-OF-WAY.

STEEL PLATE INSTALLATION: THE CONTRACTOR SHALL NOTIFY THE FRANKLIN COUNTY ENGINEER ROAD SUPERVISOR (462-3072) 24 HOURS IN ADVANCE OF THE CONTRACTOR INSTALLING ANY STEEL PLATES.

28. EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEETS 48 THROUGH 64 OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF COLUMBUS TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE DISTURBANCE ON ANY SITE OF ONE (1) OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING, AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATIONS TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER MANAGEMENT OFFICE AT 614-645-6700 OR BY FAX AT 614-645-1506. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE EROSION AND SEDIMENT POLLUTION CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80.

THE NPDES PERMIT HOLDER SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER FUNCTIONALITY OF THE EROSION AND SEDIMENTATION CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OR A 1/2" STORM EVENT OR GREATER THAT OCCURS OVER A 24 HOUR PERIOD. RECORDS OF THE SITE INSPECTIONS SHALL BE KEPT BY THE CONTRACTOR AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUIRED.

THE PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND APPROVED EPA STORMWATER PERMIT (WITH THE SITE SPECIFIC NOI NUMBER) SHALL BE KEPT ON SITE AT ALL TIMES.

29. TEMPORARY SOIL AND SEDIMENT CONTROL

ALL DISTURBED AREAS, WHICH WILL REMAIN UNWORKED FOR 45 DAYS OR MORE, SHALL BE SEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT CONTROL DEVICES AT THE CONCLUSION OF THE CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER IS ESTABLISHED. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE (CONSISTENT WITH SEDIMENT/EROSION CONTROL PRACTICES) OF THE WORK AREA AT ALL TIMES.

30. STORM SEWER INLET PROTECTION

ALL STORM SEWER INLETS SHALL BE PROTECTED FROM EXCESSIVE AMOUNTS OF SEDIMENTS USING ADEQUATE FILTERING DEVICES AS APPROVED BY THE DIVISION OF SEWERAGE AND DRAINAGE. THESE DEVICES SHALL BE MAINTAINED UNTIL THE DENUDED AREA HAS BEEN STABILIZED, OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 207. STRAW OR HAY BALES ARE NOT APPROVED FOR INLET PROTECTION.

31. SOIL STOCKPILES

ALL SOIL STOCKPILES, INCLUDING TRENCH EXCAVATION STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES AS DENOTED ON THE PLANS. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT. EXCAVATED MATERIALS SHALL NOT BE STORED ON EXISTING PUBLIC ROADWAY PAVEMENTS. THIS INCLUDES EXCESS OR UNUSABLE EXCAVATED SOIL.

32. SEEDING & MULCHING THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS IN CONFORMANCE WITH CMSC ITEM 659 - SEEDING & MULCHING, WHILE UTILIZING THE SEED MIX WITHIN THE FOLLOWING NOTE. ANY DISTURBED AREAS OUTSIDE THE PROJECT LIMITS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. INSTALL SEEDED LAWNS BETWEEN APRIL 1 TO JUNE 1, OR AUGUST 15 TO OCTOBER 15.

THE CONTRACTOR SHALL WATER SEEDED AREAS PER CMSC ITEM 659.17 -WATERING. WATERING SHALL BE PERFORMED IN THE MORNING BETWEEN 6:00AM AND 10:00AM AND SHALL BE APPLIED BY MEANS OF A HYDRO-SEEDER OR A WATER TANK UNDER PRESSURE WITH A NOZZLE THAT WILL PRODUCE A SPRAY THAT WILL NOT DISLODGE THE MULCHING MATERIAL. THE COST FOR WATER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 659 SEEDING AND MULCHING.

MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER ANY AREA IS SEEDED AND SHALL CONTINUE FOR A MINIMUM FOUR-WEEK ACTIVE GROWING PERIOD FOLLOWING THE COMPLETION OF ALL SEEDING WORK, AND UNTIL FINAL ACCEPTANCE OF THE PROJECT. IN THE EVENT THAT SEEDING OPERATIONS ARE COMPLETED TOO LATE IN THE FALL FOR ADEQUATE GERMINATION AND GROWTH OF GRASS, THEN MAINTENANCE SHALL CONTINUE INTO THE FOLLOWING SPRING.

MAINTENANCE SHALL INCLUDE RESEEDING, MOWING TO MAINTAIN A HEIGHT OF 3 INCHES, WATERING, WEEDING, FERTILIZING AND RESETTING AND STRAIGHTENING OF PROTECTIVE BARRIERS. MAINTENANCE SHALL ALSO INCLUDE CHEMICAL TREATMENTS AS REQUIRED FOR FUNGUS AND/OR PEST CONTROL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE SEEDED AREAS. AFTER THE GRASS IN SEEDED AREAS HAS APPEARED, ALL AREAS AND PARTS OF AREAS THAT, IN THE OPINION OF THE CITY, FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RESEEDED AND SUCH AREAS AND PARTS OF AREAS SHALL BE RESEEDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY GROWTH OF GRASS. RESEEDING TOGETHER WITH NECESSARY GRADING, FERTILIZING, WATERING, AND TRIMMING SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.

33. SEED MIX:

THE CONTRACTOR SHALL PROVIDE SEED MIX THAT CONFORMS TO THE FOLLOWING:

LAWN SEED: FRESH, CLEAN AND NEW CROP SEED MIXTURE, MIXED BY AN APPROVED METHOD, COMPOSED OF THE FOLLOWING VARIETIES, MIXED TO THE SPECIFIED PROPORTIONS BY WEIGHT AND TESTED TO MINIMUM PERCENTAGES OF **PURITY AND GERMINATION:**

TUFF TURF PLUS, OR EQUAL:

70% DIXIE GREEN (MIX OF 3 FINE FESCUES)

20% GATOR PERENNIAL RYE

10% APPALACIAN KY BLUE GRADE

AVAILABLE FROM: JMD COMPANY, 4647 POTH ROAD, WHITEHALL, OH 43213, 614-866-1279

34. PAVEMENT CUTTING, SAWING, AND EXCAVATION OPERATIONS NOTE: ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM. CURB INLETS, AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV's) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OR OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIB PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMIN THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FO USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING, OR EXCAVATION OPERATIONS.

35. ARCHEOLOGICAL/HISTORICAL RESOURCES

IF THE EXCAVATION OPERATIONS ENCOUNTER REMAINS OR PREHISTORIC PEOPLE'S DWELLING SITES OR ARTIFACTS OF HISTORICAL OR ARCHEOLOGICAL SIGNIFICANCE, THE OPERATIONS SHALL BE TEMPORALLY DISCONTINUED IN THIS AREA AND THE CONTRACTOR SHALL NOTIFY THE CITY'S REPRESENTATIVE. THE CITY'S REPRESENTATIVE WILL CONTACT THE OHIO HISTORIC PRESERVATION OFFICE TO DETERMINE THE DISPOSITION OF THE FIND. AFTER CONSULTATION WITH THE OHIO HISTORIC PRESERVATION OFFICE, THE CITY'S REPRESENTATIVE MAY ELECT TO DISCONTINUE THE WORK IN THE AREA INDEFINITELY, RESUME NORMAL EXCAVATION, OR EXCAVATE FOR ARTIFACTS. WHEN DIRECTED BY THE CITY'S REPRESENTATIVE TO EXCAVATE FOR ARTIFACTS, THE CONTRACTOR SHALL EXCAVATE THE SITE N SUCH A MANNER AS TO PRESERVE THE ARTIFACTS ENCOUNTERED AND SHALL REMOVE THEM FOR DELIVERY TO THE CUSTODY OF THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOT DISTURB ANY HISTORICAL OR CULTURAL BUILDINGS, FOUNDATION, STRUCTURE, OR MATERIALS ABOVE OR BELOW THE GROUND SURFACE.

36. NON-RUBBER TIRED VEHICLES NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, ROADS OR BIKE PATHS. THE TRANSPORTATION DIVISION MAY GRANT EXCEPTION WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE APPROPRIATE JURISDICTION.

37. SAFETY THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS. TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY, IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE. MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL FOLLOW THE OSHA REQUIREMENTS FOR "CONFINED SPACE ENTRY," TITLE 29 OF THE CODE OF FEDERAL REGULATIONS, PART 1910.146 WHILE PERFORMING WORK INSIDE ANY MANHOLE OR OTHER PERMIT REQUIRED FOR CONFINED SPACE.

38. RIGHT-OF-WAY

IN ADDITION TO THE DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, AND RIGHTS OF ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT PER CMSC 105.05 UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS FOR SUCH COST UNDER SPECIFIC ITEMS OF THE CONTRACT.

39. WATER NOTES AND FIRE HYDRANT PERMIT FOR ANY EMERGENCIES INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.

THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMIT(S), AND PAY ANY APPLICABLE FEES, FOR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MAY BE OBTAINED THROUGH THE DIVISION OF WATER PERMIT OFFICE (614-645-7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES AND REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANYTIME IN WHICH A HYDRANT IS IN USE. PERMITS MAY BE OBTAINED BY ACCESSING HTTP: //PORTAL.COLUMBUS.GOV/PERMITS/. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.

CREEK WATER WILL ONLY BE PERMITTED FOR PIPE AND MANHOLE CLEANING. WATER FOR SHOTCRETE MATERIAL OR ANY OTHER PRODUCT MIXES SHALL BE POTABLE. IF THE CONTRACTOR CHOOSES TO USE CREEK WATER, THEY SHALL COORDINATE WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES TO OBTAIN THE APPROPRIATE WITHDRAWAL AND CONSUMPTIVE USE PERMITS UNDER ORC 1501.33-34. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THIS WORK.

THE MAJORITY OF CONTRACT WORK IS WITHIN THE FLOODPLAIN AND ADJACENT TO ALUM CREEK AND/OR ADJACENT PONDS. DEWATERING WELLS ARE NOT EXPECTED TO BE EFFECTIVE. THE CONTRACTOR SHALL CONSTRUCT FACILITIES TO BE WATER TIGHT AND INCLUDE SUMPS IN EXCAVATIONS/PITS TO CONTROL UISANCE WATER. THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT CAUSING ANY DAMAGE TO THE PROPERTY BY UTILIZING PROPER EROSION AND SEDIMENT CONTROLS. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS; THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

41. TRENCH BACKFILL TRENCH BACKFILL SHALL BE PER CMSC ITEM 901.17. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR TRENCHES REQUIRING CMSC ITEM 911, COMPACTED BACKFILL. THE COST FOR BACKFILLING TRENCHES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS LINE ITEMS.

ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED WHILE UNATTENDED AND DURING NON-WORKING HOURS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE TRENCHES FOR A PERIOD OF ONE (1) YR FROM THE DATE OF FINAL INSPECTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS LINE ITEMS.

42. MANHOLE STEPS

MANHOLE STEPS SHALL BE REINFORCED POLYPROPYLENE PLASTIC PER DOSD STD CONSTRUCTION DRAWING AA-S119. PAYMENT FOR MANHOLE STEPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SS-10, MANHOLE REHABILITATION.

43. MANHOLE FRAMES AND COVERS

THE TOP OF NEW OR MODIFIED MANHOLE CASTINGS SHALL BE SET FLUSH WITH THE EXISTING TOP OF SLAB ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATIONS PRIOR TO ORDERING MATERIALS.

44. PROTRUDING TAPS

ALL TAPS PROTRUDING GREATER THAN 1-INCH SHALL BE REMOVED FLUSH WITH THE WALL OF THE MAIN LINE SEWER PRIOR TO INSTALLATION OF THE CONTINUOUS LINING. CARE SHALL BE TAKEN TO ENSURE THAT THE LATERAL SEWER IS NOT DAMAGED BEYOND THE CONNECTION POINT TO THE MAIN. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

45. BYPASSING OF SEWAGE FLOWS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BYPASSING OF SEWAGE

FLOWS AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT IN WRITING, FOR CITY APPROVAL, THE CONSTRUCTION SEQUENCE AND FLOW MAINTENANCE BY-PASS PUMPING PROCEDURE. REFER TO SUPPLEMENTAL SPECIFICATIONS SS-1 AND SS-3 FOR ADDITIONAL REQUIREMENTS.

46. RESIDUAL GROUT

THE CONTRACTOR SHALL NOT ALLOW RESIDUAL GROUT IN THE GROUTING HOSES TO BE BLOWN OUT INTO THE SEWER NOR ON THE GROUND SURFACE. ALL RESIDUAL GROUT SHALL BE REMOVED, CONTAINED, AND DISPOSED OF.

47. REBOUND CLEAN—UP

THE CONTRACTOR SHALL INSURE THAT ALL REBOUND OF SPRAYED CEMENTITIOUS MATERIAL SHALL BE CLEANED UP AND REMOVED FROM THE SEWER.

48. STREET AND TRAIL CLEANING

THE CONTRACTOR SHALL KEEP STREETS/TRAILS FREE OF DIRT. SEDIMENT OR MUD ON OR OFF THE PROJECT SITE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO PERFORM STREET/TRAIL CLEANING PERIODICALLY OR ON A REGULAR INTERVAL IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ALONG THE STREET/TRAIL. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. ALL MANUAL METHODS CONTRACTOR SHALL HAUL OFF DEBRIS/MATERIAL. PUSHING DEBRIS/MATERIAL TO SIDE OF TRAIL IS NOT PERMITTED. THE COST OF THIS WORK SHALL BE INCLUDED IN VARIOUS LINE ITEMS, UNLESS OTHERWISE SPECIFIED.

49. FOR THE DIVISION OF POWER:

THE DIVISION OF POWER (DOP) MAY HAVE UNDERGROUND AND OVERHEAD PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHTING LOCKOUT/TAGOUT (LOTO) PROCEDURE MIS-01, COPIES OF WHICH ARE AVAILABLE FROM DOP.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE

CITY OF COLUMBUS PROJECT TITLE: EASEMENT REFERENCE REVISIONS DEPARTMENT OF PUBLIC UTILITIES ALUM CREEK TRUNK SOUTH (ACT-S) DIVISION OF SEWERAGE AND DRAINAGE COUNTY RECORDER DESCRIPTION APPROVAL/DATE SANITARY SEWER REHABILITATION - PHASE 1 CITY NO. GRANTOR DIVISION OF WATER PAGE VOL. CIP NO. 650725-100004 DIVISION USE ONLY GENERAL NOTES CITY OF COLUMBUS OWNER ISSUED STATUS: BID (CONTINUED) CONTRACTOR INSPECTOR of 7() SCALE: COMPLETED AGREEMENT CLD CON. DR CONTRACT DRAWING NO. RPD CKD RECORD PLAN NO. CC - 18773RECORD FILE DETAIL

CONTACTS: AMERICAN ELECTRIC POWER (AEP) 700 MORRISON ROAD GAHANNA, OHIO 43230 TEL-(800) 277-2177 (24 HOUR), OR PAUL PAXTON

TEL-(614) 883-6831, EMAIL-ptpaxton@aep.com MICHAEL CARR, TRANSMISSION

TEL-(614) 552-1893, EMAIL-TL_PublicProjects@aep.com

COLUMBIA GAS OF OHIO 3550 JOHNY APPLESEED CT. COLUMBUS, OHIO 43231 ROB CALDWELL

TEL-(614) 818-2104 EMAIL—rcaldwell@nisource.com

CITY OF COLUMBUS DIVISION OF POWER 3568 INDIANOLA AVE. COLUMBUS, OHIO 43214 CHARLES HORNER TEL-(614) 645-7569, EMAIL-crhorner@columbus.gov

CITY OF COLUMUBS DIVISION OF WATER 910 DUBLIN ROAD COLUMBUS, OHIO 43215 TEL-(614) 645-7788

CITY OF COLUMBUS DPU - DIVISION OF SEWERAGE AND DRAINAGE SEWER MAINTENANCE MANAGER 1250 FAIRWOOD AVENUE COLUMBUS, OHIO 43206 TEL-(614) 645-7102

CITY OF COLUMBUS TRAFFIC SIGNAL 1820 E. 17TH AVE COLUMBUS, OHIO 43219 BRAD HEGWOOD TEL-(614) 560-0839, EMAIL-bdhegwood@columbus.gov

CITY OF COLUMBUS RECREATION & PARKS DEPT. 1111 E. BROAD ST. COLUMBUS, OHIO 43205 DON EVANS TEL-(614) 724-1553 EMAIL- deevans@columbus.gov

EASEMENT REFERENCE

GRANTOR

COUNTY RECORDER

CITY NO.

111 N. FOURTH ST., ROOM 82 COLUMBUS, OHIO 43215 TEL-(614) 216-2396 DONAL G. MARSHALL JR, EMAIL-G01553@att.com DAMAGE PREVENTION TEL-(937) 296-3929

AT&T TRANSMISSION 155 COMMERCE PARK DR. STE.1 WESTERVILLE, OHIO 43082 JAMES SCHNEIDER

TEL-(440) 525-4322, EMAIL-James.schneider@mcgfiber.com

COLUMBUS FIBERNET 1600 WALCUTT ROAD COLUMBUS, OHIO 43228 MATT BLACKSTONE

AT&T (fka SBC)

TEL-(614) 921-8524, EMAIL-mablackstone@columbusfiber.net

SPRINT/TMOBILE 11370 ENTERPRISE PARK DR. SHARONVILLE, OHIO 45241 STEPHEN HUGHES TEL-(513) 459-5796, EMAIL-Stephen.hughes1@t-mobile.com

CHARTER COMMUNICATIONS/SPECTRUM (TIME WARNER COMMUNICATIONS) 3760 INTERCHANGE ROAD COLUMBUS, OHIO 43204 EMAIL-DL-MOH-CONSTRUCTION-FRELO-TEAM@charter.com

VERIZON BUSINESS (aka MCI/XO) 757 COMMERCE CT LEWIS CENTER, OH 43035 MAURICE JONES, TEL-(614) 593-6685 BOB DILLOW, TEL-(614) 816-0361 EMAIL—va.net.columbus@verizon.com

CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT 1820 EAST 17TH AVENUE COLUMBUS, OHIO 43219 OFFICE: (614) 645-7393

CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY 1355 McKINLEY AVE. BUILDING C COLUMBUS, OHIO 43222 CONTRACTOR LINE: (614) 645-7756

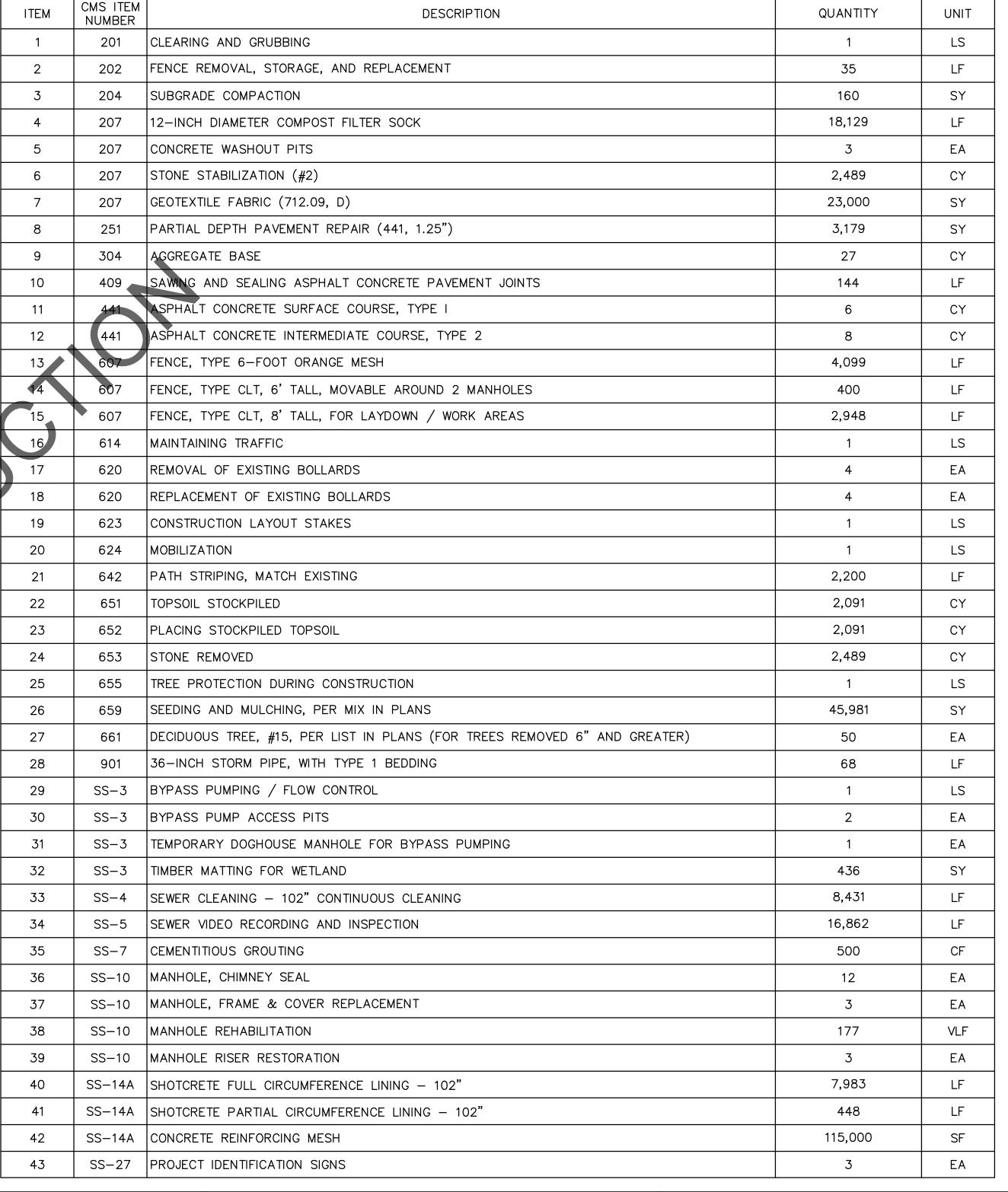
	MANHOLE WORK SUMMARY														
MANHOLE ID	PIPE SIZE	MH TYPE	NORTHING	EASTING	TC TO INV	REHAB (VF)	TOP OF CASTING ELEVATION	MANHOLE DIAMETER	RISER RESTORATION AND FRAME & COVER REPLACEMENT	FLEXIBLE CHIMNEY SEAL	100-YR ELEVATION				
0145S0003	102"	RCP	689564.89	1853528.64	26.4	17.9'	731.43	48"		X	729.00				
0145S0002	102"	RCP	690147.09	1853140.87	27.6'	19.1'	733.43	48"		X	729.00				
0101S0032	102"	RCP	691415.20	1852624.41	27.4'	18.9	733.50	48"		X	729.00				
0101S0030	102"	RCP	691856.49	1852464.87	26.4'	17.9'	734.10	48"		X	729.00				
0101S0029	102"	RCP	692433.50	1852158.54	23.5'	15.0'	731.58	48"		X	729.17				
0101S0028	102"	RCP	692935.12	1851986.18	23.7'	15.2'	732.54	48"		X	729.51				
0101S0027	102"	RCP	693620.90	1851738.11	25.3'	16.8'	734.74	48"		X	730.00				
0101S0020	102"	RCP	694281.35	1851541.56	22.7'	14.2'	732.74	48"	X	X	731.37				
0101S0019	102"	RCP	694612.08	1850925.3	22.8'	14.3'	732.85	48"		X	732.04				
0101S0018	102"	RCP	694932.93	1850360.52	22.2'	13.7'	733.58	48"	X	X	732.66				
0100S0010	102"	RCP	695410.42	1850396.91	21.8'	13.3'	733.56	48"	X	X	733.00				
0100S0009	102"	RCP	696089.80	1850458.14	24.8'	NONE	737.02	48"		X	733.47				

APPROVAL/DATE

REVISIONS

DESCRIPTION

GENERAL	NOTES	AND	ESTIMATE	OF
	QUAN	NTITIE	S	



ESTIMATE OF QUANTITIES

70

PROJECT TITLE: CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES ALUM CREEK TRUNK SOUTH (ACT-S) DIVISION OF SEWERAGE AND DRAINAGE SANITARY SEWER REHABILITATION - PHASE 1 DIVISION OF WATER CIP NO. 650725-100004 DIVISION USE ONLY

CITY OF COLUMBUS		OW	NER							
	CONTRACTOR INSPECTOR AGREEMENT COMPLETED			२	ISSUED STATUS: BID					
					scale: NTS	SHEET:	4	OF	70	
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	RPD	CKD	CLD CON. DR.		CONTRACT DRAWING NO.	RECORD		AN NO.		
	INDEX F DETAIL			ECORD FILE	CC-18773					

	SITE SYMBOLS		SITE SYMBOLS	MATERIAL	SYMBOLS		<u>ABBREVI</u>
EXISTING	PROPOSED		EXISTING				
 702	 702- 	CONTOURS			EXISTING FEATURE	&	AND
		PROPERTY LINE			EARTH	@ •	AT DEGREES
—————EX. RW ———		RIGHT OF WAY	ϕ			, ,	FEET, MINUTES INCHES, SECONDS
		CENTERLINE	\$		GRAVEL	# / •/	NUMBER PER, OF PERCENT
		STRUCTURE	Ø	4		/• ± Φ	PLUS OR MINUS PHASE
x		FENCING	<i>←</i>	4 . 4 . 4	CONCRETE	ø, DIA ૧	ROUND, DIAMETER PROPERTY LINE
	o	CONSTRUCTION FENCING	Po		CONCRETE FILL OR GROUT FILL	₹ Ç, CL	BASELINE CENTERLINE
		SAFETY FENCING	€\$			\$. Δ	SPRING LINE ANGLE OF DEFLECTION (DECREES) DECREE OF CURVE
_ 0 0 0 0		GUARDRAIL	G ▷<¦		WETLAND	ABND	(DEGREES), DEGREE OF CURVE ABANDONED, ABANDON
		TREE	₹		MULTI-USE PATH MILL AND OVERLAY (T=1-1/4")	ACT APPROX ASPH	ALUM CREEK TRUNK SEWER APPROXIMATE(LY) ASPHALT
		BUSHES, TREELINE	Q			BM BH	BENCH MARK BULK HEAD
		WATER LINE			ASPHALT PAVEMENT REPLACEMENT	BOT CB	BOTTOM CATCH BASIN
—Е——Е——Е—		ELECTRIC LINE				C/C CCTV	CENTER TO CENTER CLOSED CIRCUIT TELEVISION
——ет——ет——		ELECTRIC TRANSMISSION LINE	(CS)			CDF CF	CONTROLLED DENSITY FILL CUBIC FEET
——————————		MISCELLANEOUS OVERHEAD LINE	(Ê)			CIP CIPP	CAPITAL IMPROVEMENT PROJECT CURED IN PLACE PIPE
		SANITARY PIPING SMALLER THAN 14"	(\$)			CMP CMSC	CORRUGATED METAL PIPE CONSTRUCTION AND MATERIALS
========		SANITARY PIPING 14" AND LARGER	(ST)				SPECIFICATIONS OF THE CITY OF COLUMBUS, OHIO
T2		STORM PIPING SMALLER THAN 14"	M-# •			CONC	CLEANOUT CONCRETE
T2T2 T2T2		STORM PIPING 14" AND LARGER	BM#			CONN CONST CONTR	CONNECT(ION) CONSTRUCTION CONTRACTOR
100		100-YEAR FLOODPLAIN				CRPD	COLUMBUS RECREATION AND PARKS DEPARTMENT
500		500-YEAR FLOODPLAIN				CS CY	COMBINED SEWER CUBIC YARD(S)
SCPZ		STREAM CORRIDOR PROTECTION ZONE				DEFL DEG	DEFLECTION DEGREE
FW:		FLOODWAY				DISCH DND	DISCHARGE DO NOT DISTURB
		RIVER/STREAM EDGE				DOSD	DIVISION OF SEWERAGE & DRAINAGE
		COMPOST FILTER SOCK				DOP DOW	DIVISION OF POWER DIVISION OF WATER
						E EA	EAST, ELECTRIC EACH
						EL, ELEV	ELEVATION (VERTICAL DISTANCE ABOVE MEAN SEA LEVEL)
						EPA	ENVIRONMENTAL PROTECTION AGENCY
						EQUIP ESMT	EQUIPMENT
						ESMT EXIST	EASEMENT EXISTING
						EX R/W	EXISTING RIGHT OF WAY

	EASE	EMENT RE	FERENCE		REVISIONS	
CITY NO.	COUNTY F	RECORDER	OR ANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITY NO.	VOL.	PAGE	GRANTOR			

LEGEND, SYMBOLS, AND ABBREVIATIONS

ALUM	CREEK	TRUNK	SOUTH	(ACT-S)	
-				- PHASE	1
	CIP NO.	65072	5-1000	04	

PROJECT TITLE:

ABBREVIATIONS

FCDF

FCEO

FM

FT GAL

GND

GPM

H2S

ID

INFN

INV

MAX

MFR

OD

PID

PH PROP

PT

PVC

QTY

RAD

RCP

RD

RP#

SAN

SHT

STM

REBAR

HORIZ

FLOWABLE CONTROLLED DENSITY

FRANKLIN COUNTY ENGINEER'S

OFFICE FORCE MAIN

FEET, FOOT

GALLON(S)

HORIZONTAL

INFILTRATION

LINEAR FEET

MANUFACTURER

MINIMUM OR MINUTE

OUTSIDE DIAMETER

OHIO DEPARTMENT OF TRANSPORTATION

POINT OF CURVATURE

POINT OF TANGENCY

POLYVINYL CHLORIDE

REINFORCING BAR

POINT OF INTERSECTION

PROPERTY IDENTIFICATION

REINFORCED CONCRETE PIPE

REINFORCE(ING),(ED),(MENT)

RIGHT OF WAY (PROPOSED)

TOP OF CONCRETE OR CASTING

RECORD PLAN NUMBER

MAXIMUM

MANHOLE

NORTH

PHASE

PROPOSED

QUANTITY

RADIUS

ROAD

RIGHT

SOUTH STREET

SHEET

SQUARE STATION

STORM

SANITARY

SPECIFICATIONS

SQUARE YARD(S)

TO BE ABANDONED
TO BE DETERMINED

TO BE REMOVED

UNDERGROUND

VERTICAL FEET

WEST, WIDE, WIDTH, WATER

TYPICAL

VERTICAL

YARD

TO BE RELOCATED

TO BE REHABILITATED

GALLONS PER MINUTE

HYDROGEN SULFIDE

INSIDE DIAMETER

GROUND

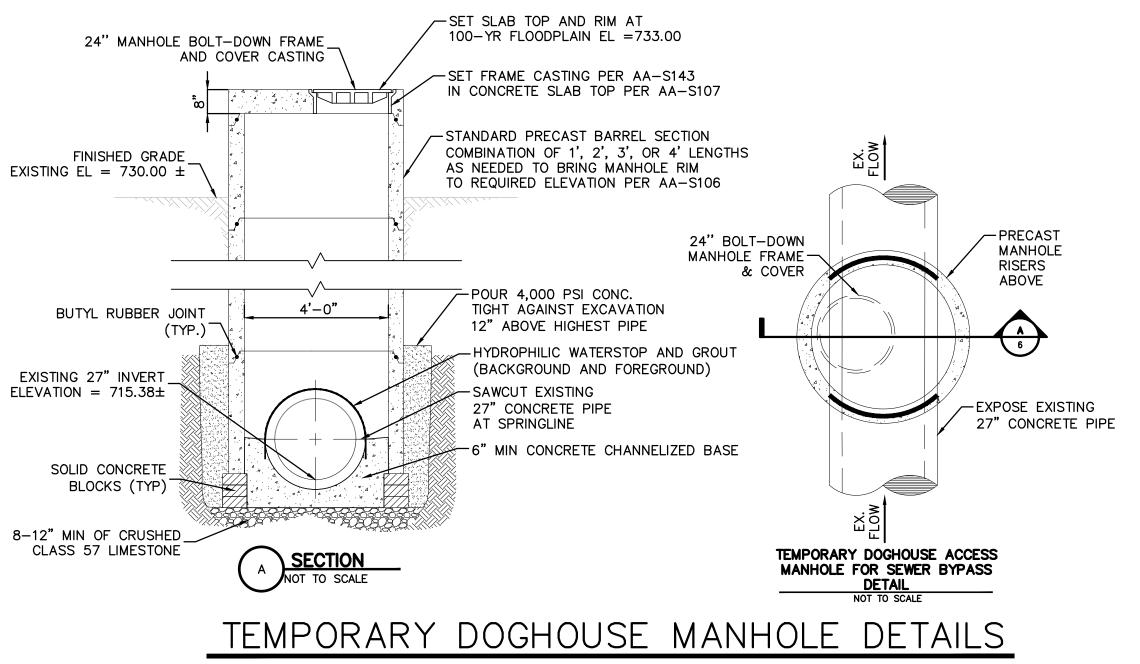
INCH

INVERT JOINT

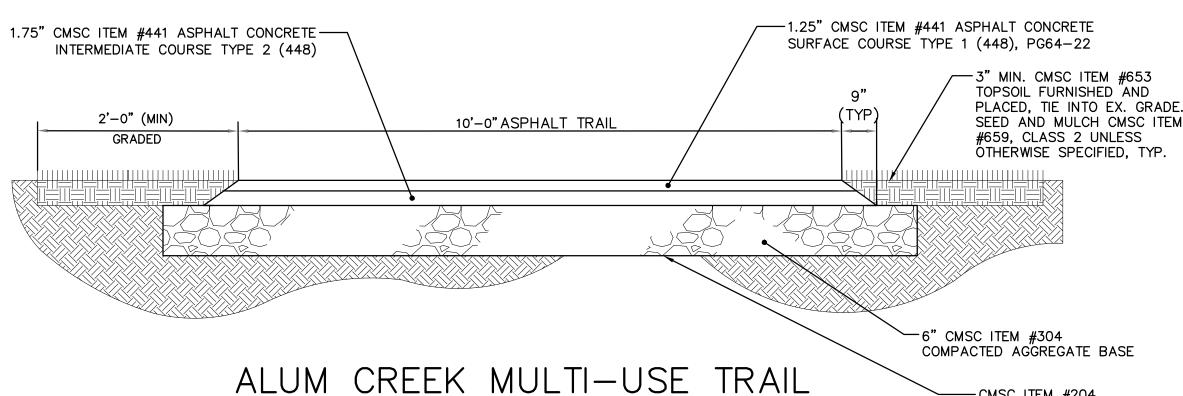
LEFT

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			R	ISSUED STATUS: BID				
		INSPE	CTOR		SCALE:	SHEET:	5	OF	70
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NOT TO SCALE

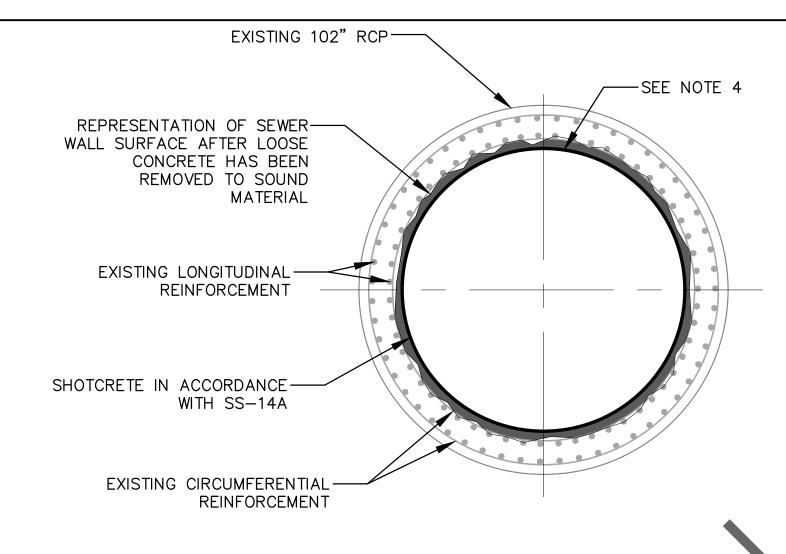


REPLACEMENT SECTION

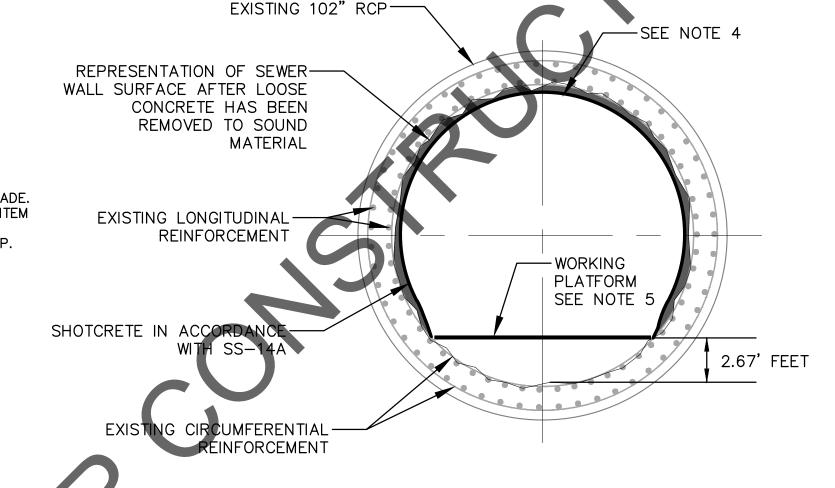
NOT TO SCALE

ASPHALT BIKE PATH RESTORATION AND REPAIR NOTES:

- THE CONTRACTOR SHALL REPLACE SECTIONS OF THE TRAIL THAT ARE DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY, EXCEPT FOR THOSE SECTIONS ALREADY SLATED FOR MILL AND OVERLAY OR REPLACEMENT PER T FINAL RESTORATION PLAN ON SHEET 65.
- 2. CONTRACTOR SHALL REFER TO SECTION 02513 FOR ADDITIONAL INFORMATION. FOR ANY DISCREPANCIES THE MORE STRINGENT REQUIREMENT SHALL GOVERN. ALL TRAIL AREAS TO BE SWEPT FREE OF MUD, SNOW, OR DEBRIS, RE-OPENING. ANY TRAIL BERMS OR DISTURBED AREAS WITHIN PARKLANDS SHALL BE RESTORED TO ORIGINAL ANY DAMAGED SECTIONS OF TRAIL SHALL BE SAWCUT, REMOVED, AND REPAVED PER ABOVE DETAIL THE FULL WIDTH OF THE TRAIL ALONG THE ENTIRE DAMAGED LENGTH. SAWCUT JOINTS SHALL BE HOT APPLIED JOINT SEALANT. NO PARTIAL ASPHALT PATCHES SHALL BE PERMITTED. FINAL TRAIL RESTORATION LIMITS SHALL BE FIELD VERIFIED BY THE INSPECTOR, PROJECT MANAGER, AND CRPD REP. PRIOR TO ANY REPAVING OR RECONSTRUCTION.
- 3. ALL TRAIL CENTERLINE STRIPING DAMAGED OR REMOVED SHALL BE REPLACED.
- 4. TEMPORARY TRAIL PATCHING: WHERE TRAIL HAS BEEN TEMPORARILY REMOVED FOR BYPASS BURIAL, MAINTAIN PATH PER SD 2310 CMSC ITEM 615.
- 5. WHERE NO SPECIFIC SLOPE IS GIVEN ON PLANS, TRAIL SHALL MAINTAIN POSITIVE DRAINAGE MAX 2% CROSS SLOPE.
- 6. ALL JOINTS SHALL BE SEALED USING HOT APPLIED JOINT SEALANT PER CMSC ITEM #409.



SHOTCRETE CONTINUOUS LINING DETAIL NOT TO SCALE



SHOTCRETE PARTIAL LINING DETAIL

NOT TO SCALE

SHOTCRETE LINING NOTES:

-CMSC ITEM #204

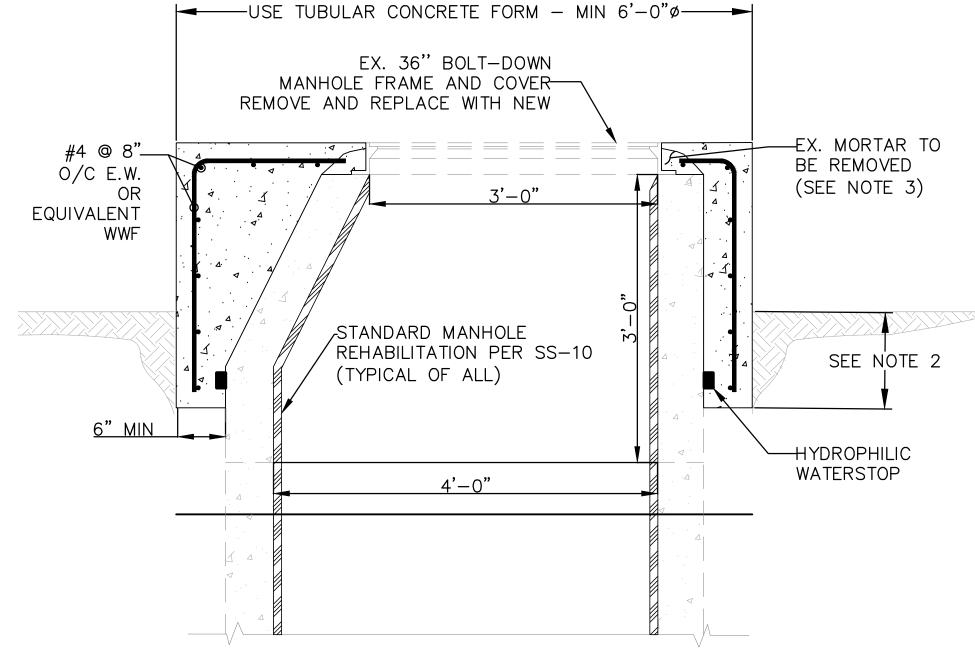
BY CRPD REP

COMPACTED SUBGRADE

GEOTEXTILE FABRIC PER

712.09D WHERE AUTHORIZED

- PRIOR TO SHOTCRETE INSTALLATION, PREPARE THE SURFACE OF THE SEWER WALL TO A CSP OF 7 AND APPLY REINFORCING STEEL PRIMER IN ACCORDANCE WITH SS-14A.
- 2. REFER TO SUPPLEMENTAL SPECIFICATION SS-14A FOR MATERIALS AND INSTALLATION OF SHOTCRETE.
- 3. REFER TO SUPPLEMENTAL SPECIFICATION SS-6 AND SS-7 FOR REQUIREMENTS OF SEALING ACTIVE LEAKS.
- 4. THE CONTRACTOR SHALL APPLY A MINIMUM 2-INCH LAYER OF SHOTCRETE AROUND THE INDICATED CIRCUMFERENCE OF THE PIPE, WITH THE FINAL FINISH DIAMETER OF THE PIPE TO BE NO LESS THAN 98 INCHES.
- 5. CONTRACTOR SHALL INSTALL WORKING PLATFORM TO PERFORM PARTIAL CIRCUMFERENTIAL SHOTCRETING. THE CONTRACTOR SHALL BEGIN SHOTCRETING AT NO MORE THAN 2.75 FEET ABOVE THE INVERT AND SHALL APPLY A MINIMUM OF 270 DEGREES OF SHOTCRETE FOR PARTIAL LINING.
- 6. COST TO CONSTRUCT AND MAINTAIN WORKING PLATFORM FOR PARTIAL LINING SHALL BE INCLUDED IN THE PRICE BID FOR SS-3, BYPASS PUMPING/FLOW CONTROL.



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0100S0010

0101S0018

0101S0020

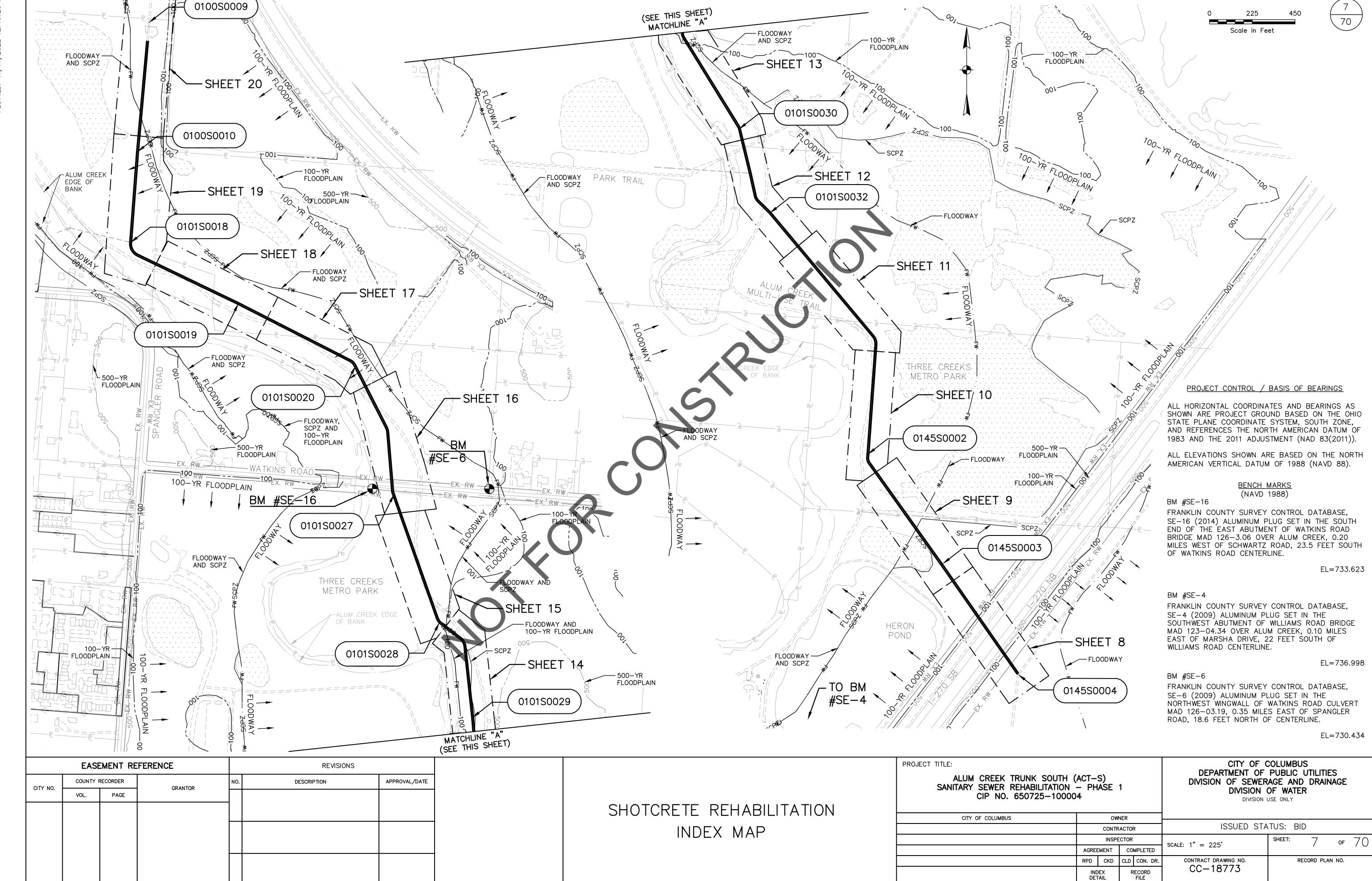
MANHOLE RISER RESTORATION DETAIL NOTES:

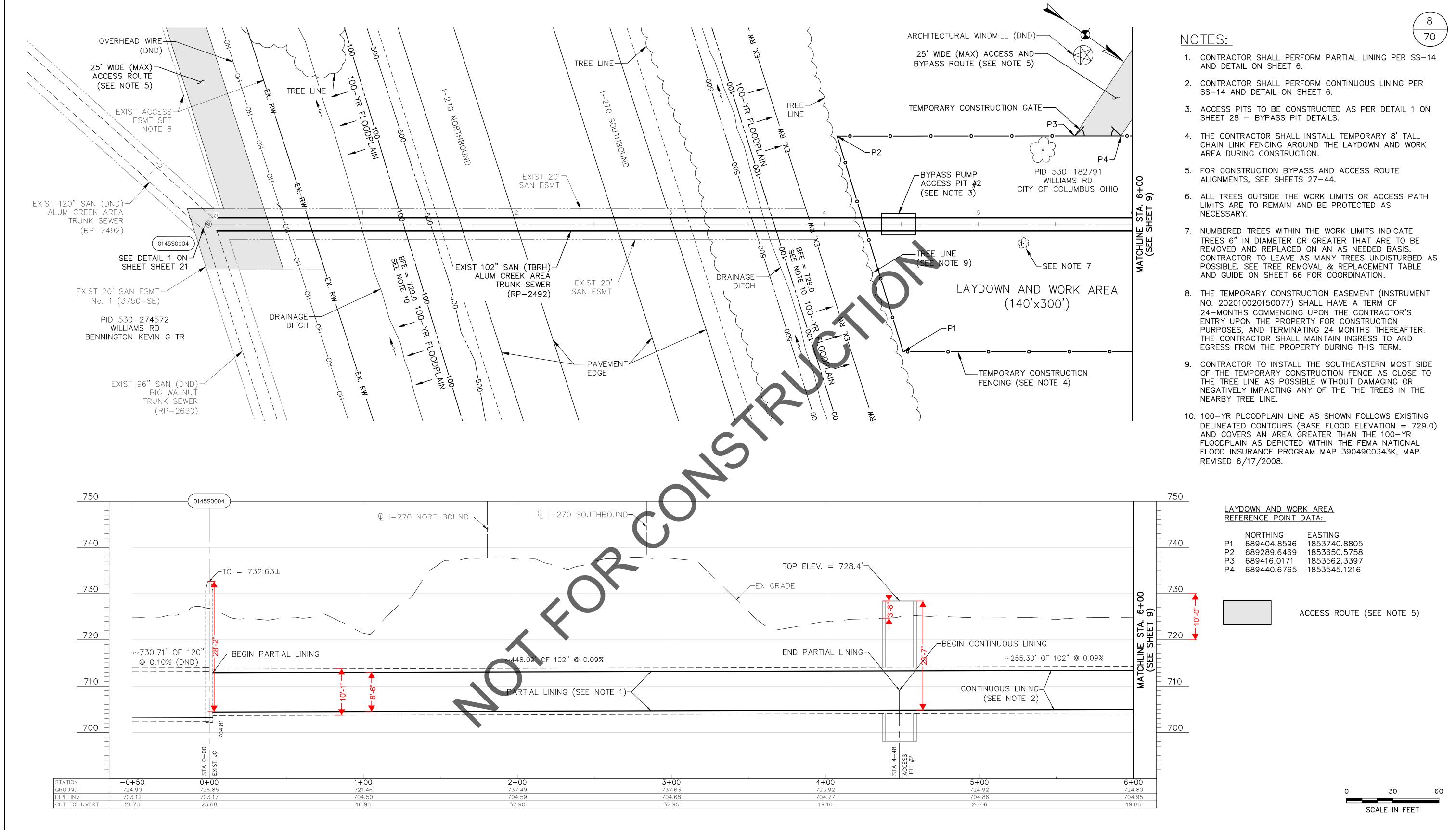
1. CONTRACTOR SHALL PLACE A MINIMUM OF 6" OF ADDITIONAL WIDTH OF CAST-IN-PLACE CONCRETE FOR MANHOLE REHABILITATION.

MANHOLE RISER RESTORATION DETAIL - FOR MANHOLES

- 2. THE CAST-IN-PLACE CONCRETE SHALL BE EXTENDED A MINIMUM OF 1 FOOT BELOW THE EXISTING GRADE OR A MINIMUM OF 6" BELOW THE FIRST RISER JOINT, WHICHEVER IS GREATER.
- 3. CONTRACTOR TO REMOVE ALL EXISTING MORTAR SURROUNDING EXISTING CASTING AND IN ADDITION REPLACE THE FRAME AND COVER PRIOR TO PLACEMENT OF NEW CONCRETE.

	EAS	EASEMENT REFERENCE REVISIONS					EASEMENT REFERENCE REVISIONS						PROJECT TITLE:			CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES
CITY N		COUNTY RECORDER NO. DESCRIPTION APPROVAL/DATE			ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION	1	DIVISION OF SEWERAGE AND DRAINAGE									
OIII N	VOL.	PAGE	GNARTON					CIP NO. 650725-100	004	•	DIVISION OF WATER DIVISION USE ONLY					
							CHATCHETE DETAILS	CITY OF COLUMBUS	0)	WNER						
							SHOTCRETE DETAILS			RACTOR	ISSUED STATUS: BID					
									INSF	ECTOR	SCALE: SHEET: 6 OF 70					
									AGREEMENT	COMPLETED	SCALE.					
									RPD CKD	CLD CON. DR.	CONTRACT DRAWING NO. RECORD PLAN NO.					
									INDEX DETAIL	RECORD FILE	CC-18773					





SHOTCRETE REHABILITATION
PLAN & PROFILE STATION
0+00 TO 6+00

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

PROJECT TITLE:

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

DIVISION USE ONLY

CITY OF COLUMBUS

CONTRACTOR

INSPECTOR

AGREEMENT

COMPLETED

RPD

CKD

CLD

CON. DR.

CONTRACT DRAWING NO.

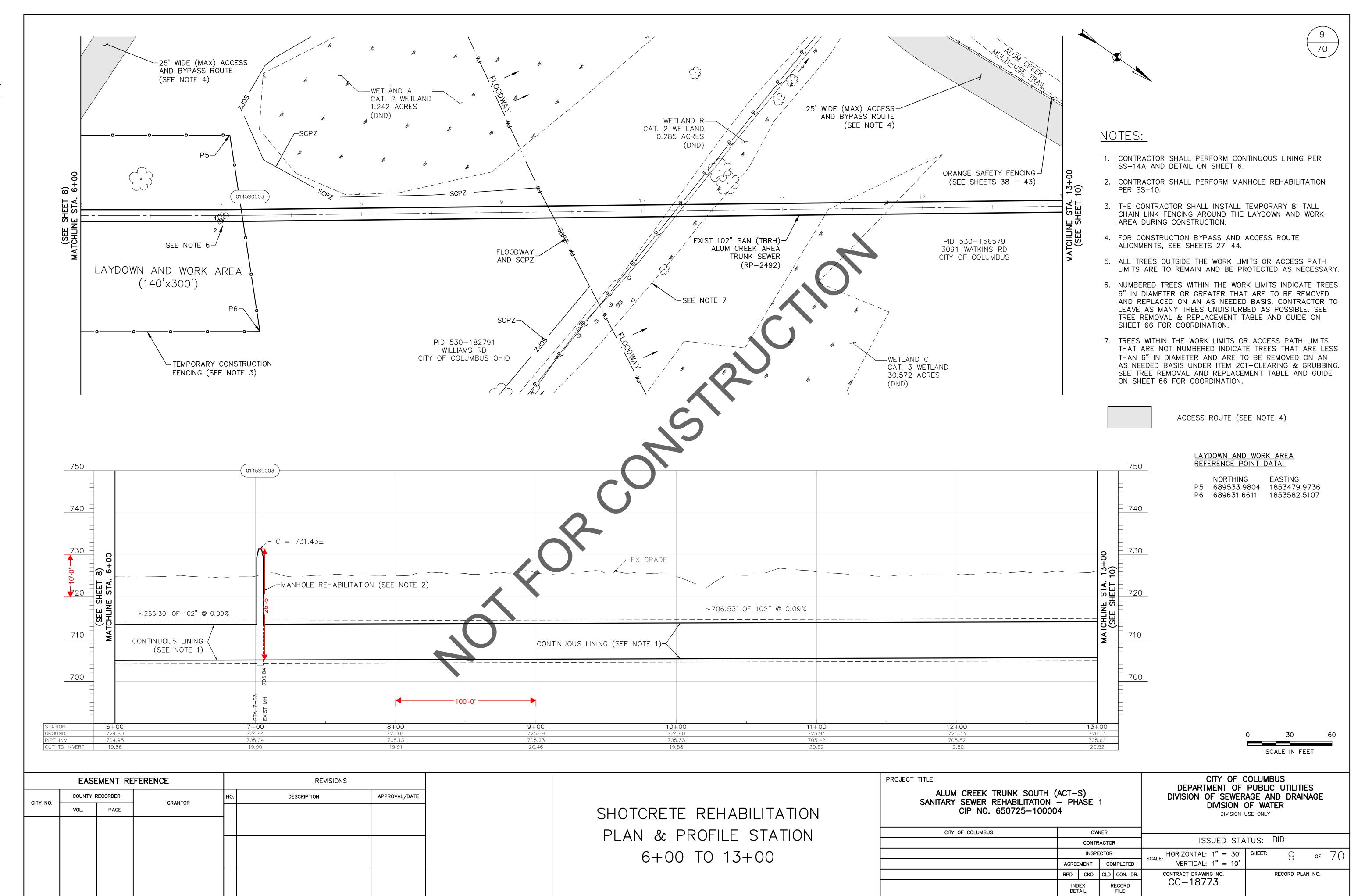
CCC—18773

CCC—18773

CONTRACT DRAWING NO.

CCC—18773

CCC—18773



COUNTY RECORDER

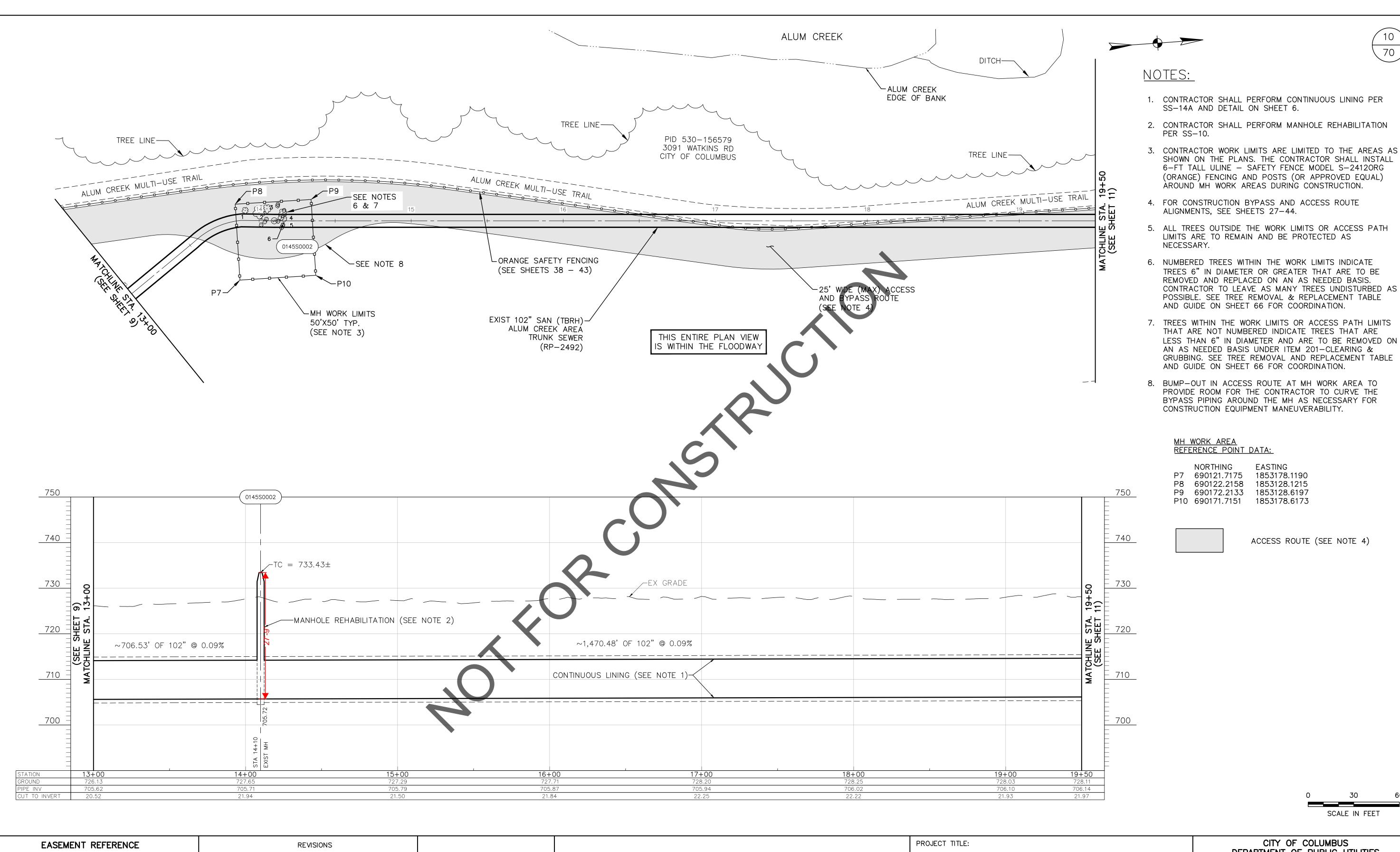
PAGE

CITY NO.

GRANTOR

DESCRIPTION

APPROVAL/DATE



SHOTCRETE REHABILITATION PLAN & PROFILE STATION

13+00 TO 19+50

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1
CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER

SCALE IN FEET

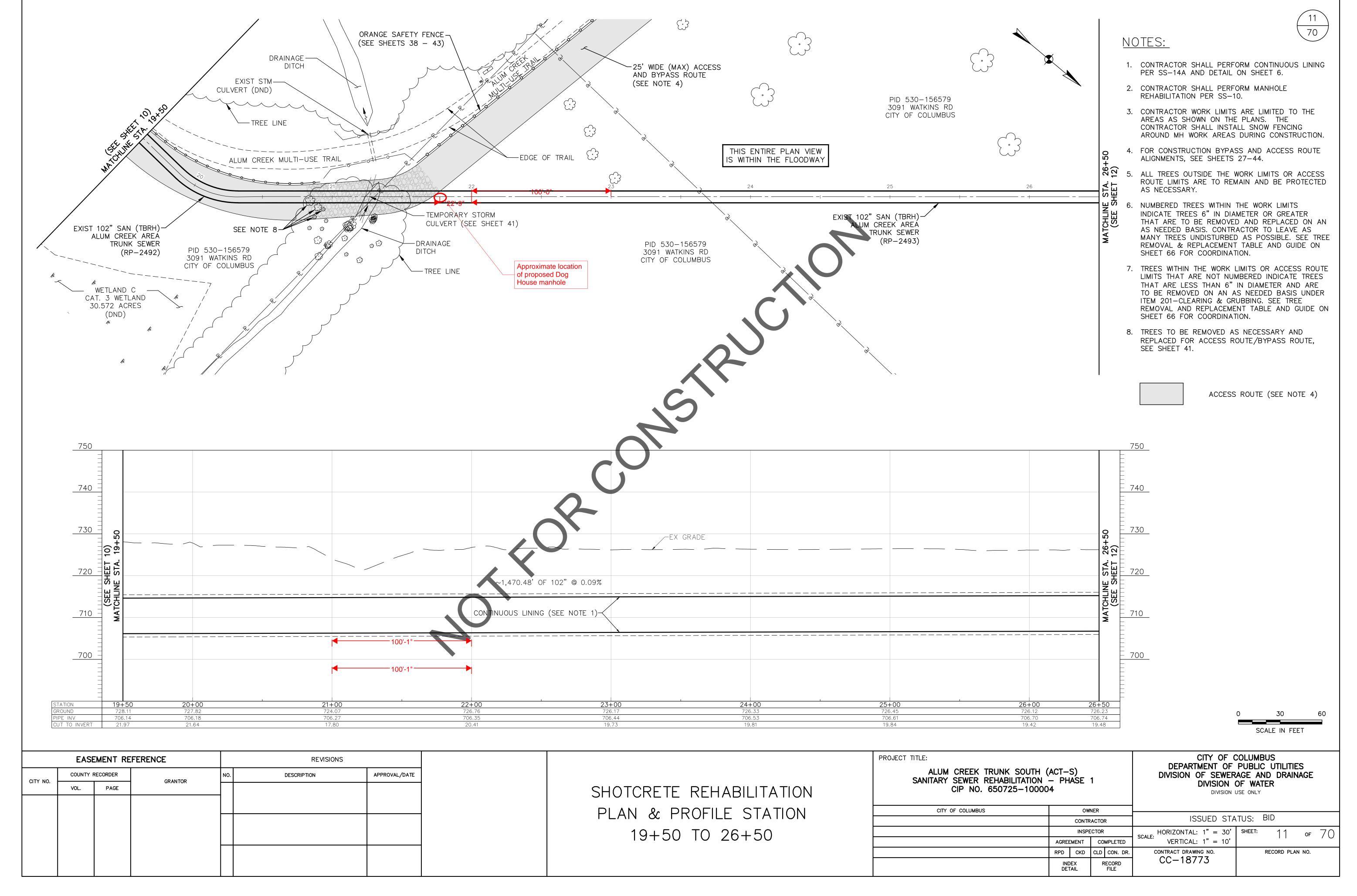
EASTING

ACCESS ROUTE (SEE NOTE 4)

70

DIVISION USE ONLY

CITY OF COLUMBUS		OWI	NER						
		CONTR	ACTO	२	ISSUED STA	TUS:	BID		
		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	10	OF	70
	AGREE	MENT	CO	MPLETED	VERTICAL: 1" = 10'		10		, 0
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLAI	N NO.	
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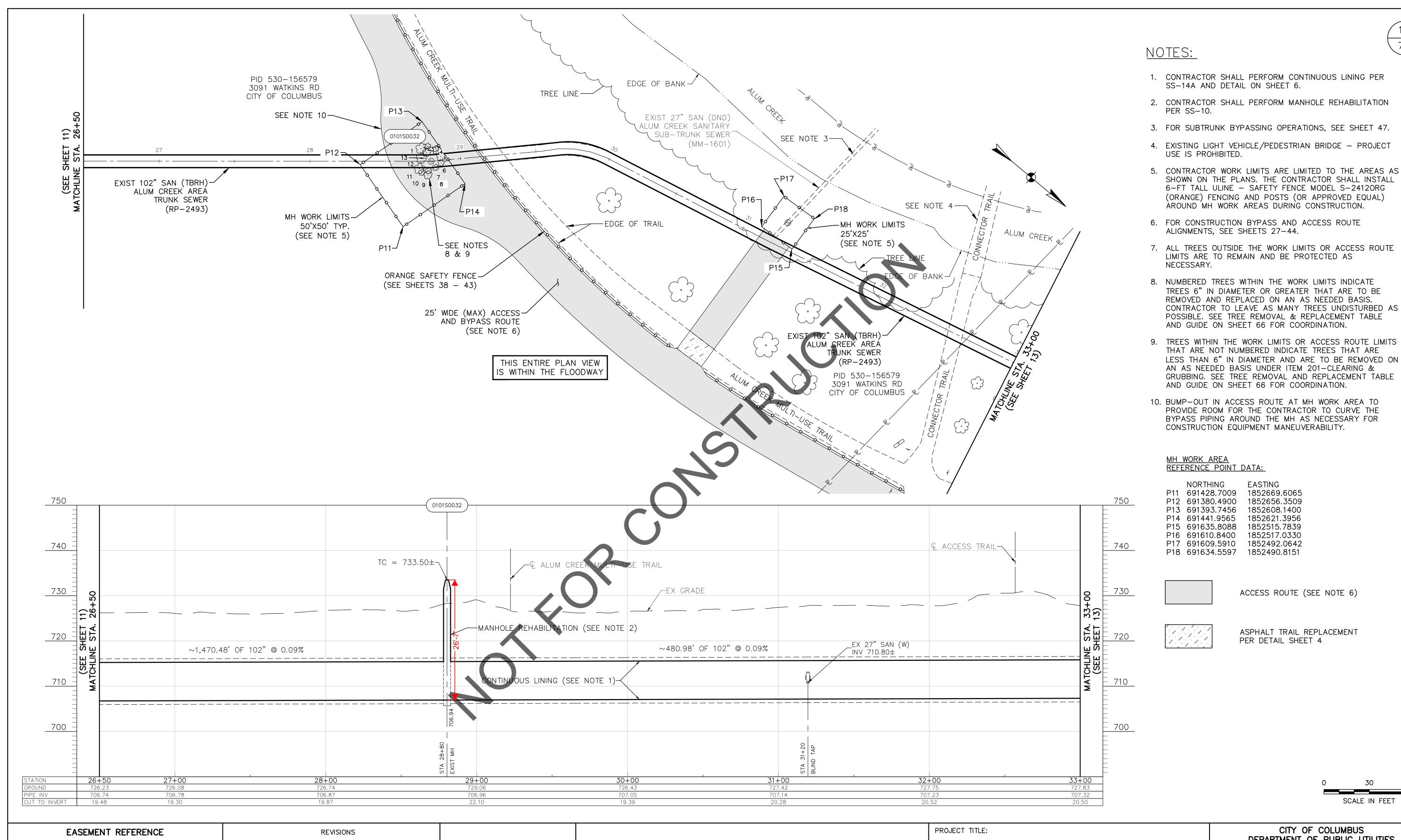
COUNTY RECORDER

PAGE

GRANTOR

DESCRIPTION

APPROVAL/DATE



SHOTCRETE REHABILITATION PLAN & PROFILE STATION 26+50 TO 33+00

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1
CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER

SCALE IN FEET

EASTING

1852656.3509

1852608.1400

1852621.3956

1852515.7839 1852517.0330

ACCESS ROUTE (SEE NOTE 6)

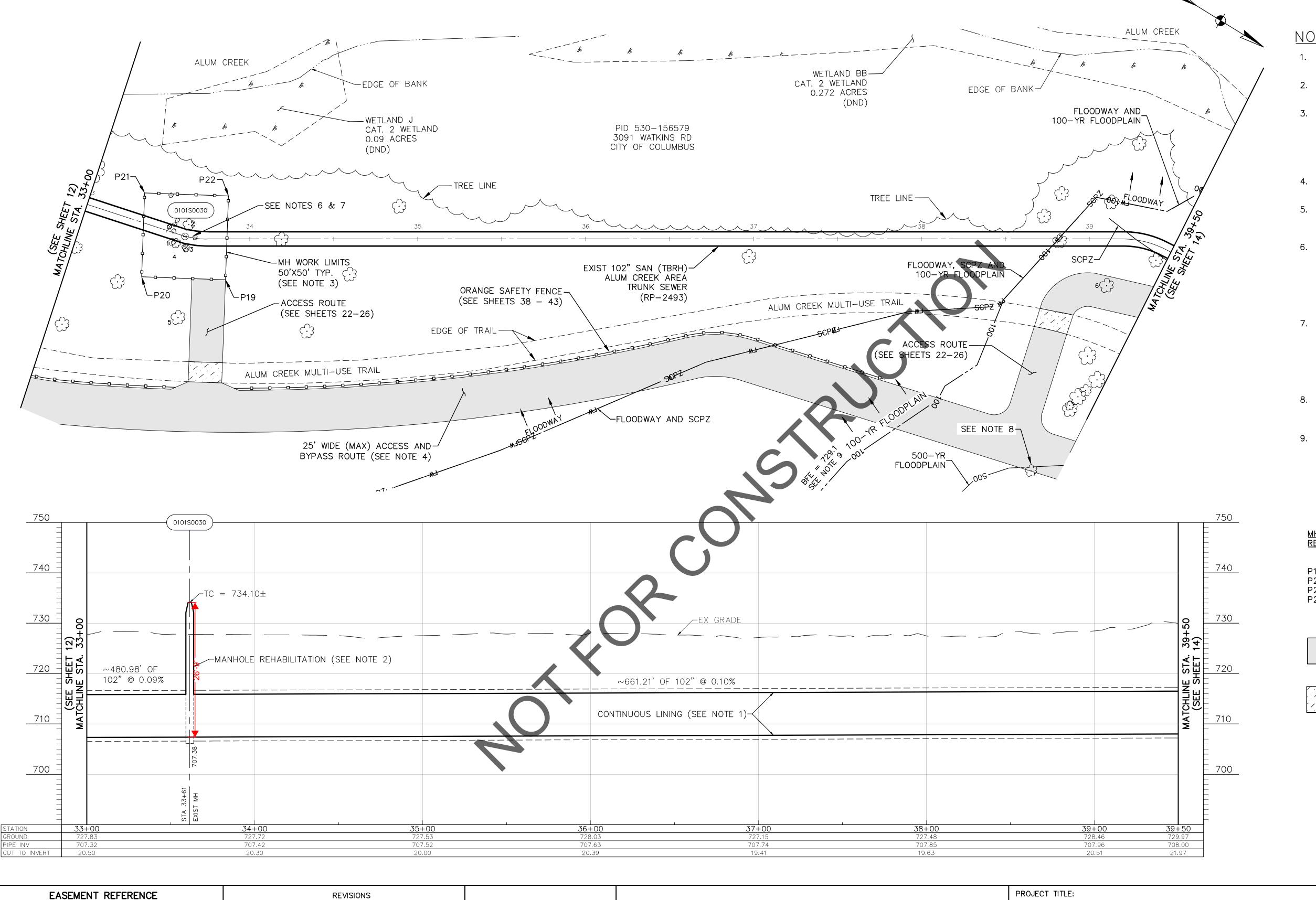
ASPHALT TRAIL REPLACEMENT

PER DETAIL SHEET 4

70

DIVISION USE ONLY

CITY OF COLUMBUS		OWNER L								
51.7 6. 5525555	CONTRACTOR				ISSUED STATUS: BID					
		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	12	OF	70	
	AGRE	EMENT	COMPLETED		VERTICAL: 1" = 10'		1 2		,)	
	RPD	RPD CKD C		CON. DR.		RECORD PLAN NO.				
		INDEX RECORD		RECORD	CC-18773					



NOTES:

1. CONTRACTOR SHALL PERFORM CONTINUOUS LINING PER SS-14A AND DETAIL ON SHEET 6.

70

- 2. CONTRACTOR SHALL PERFORM MANHOLE REHABILITATION PER SS-10.
- 3. CONTRACTOR WORK LIMITS ARE LIMITED TO THE AREAS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL INSTALL 6-FT TALL ULINE -SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) AROUND MH WORK AREAS DURING CONSTRUCTION.
- 4. FOR CONSTRUCTION BYPASS AND ACCESS ROUTE ALIGNMENTS, SEE SHEETS 27-44.
- 5. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 6. NUMBERED TREES WITHIN THE WORK LIMITS INDICATE TREES 6" IN DIAMETER OR GREATER THAT ARE TO BE REMOVED AND REPLACED ON AN AS NEEDED BASIS. CONTRACTOR TO LEAVE AS MANY TREES UNDISTURBED AS POSSIBLE. SEE TREE REMOVAL & REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.
- 7. TREES WITHIN THE WORK LIMITS OR ACCESS ROUTE LIMITS THAT ARE NOT NUMBERED INDICATE TREES THAT ARE LESS THAN 6" IN DIAMETER AND ARE TO BE REMOVED ON AN AS NEEDED BASIS UNDER ITEM 201-CLEARING & GRUBBING. SEE TREE REMOVAL AND REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.
- 8. TREE TO BE REMOVED AS NECESSARY AND REPLACED FOR ACCESS ROUTE/BYPASS ROUTE, SEE SHEET 37.
- 9. 100-YR FLOODPLAIN LINE AS SHOWN FOLLOWS EXISTING DELINEATED CONTOURS (BASE FLOOD ELEVATION = 729.1) AND COVERS AN AREA GREATER THAN THE 100-YR FLOODPLAIN AS DEPICTED WITHIN THE FEMA NATIONAL FLOOD INSURANCE PROGRAM MAP 39049C0343K, MAP REVISED 6/17/2008.

MH WORK AREA REFERENCE POINT DATA:

EASTING NORTHING P19 691890.5725 1852474.2711 P20 691847.0889 1852498.9525 P21 691822.4074 1852455.4689 P22 691865.8910 1852430.7874

ACCESS ROUTE (SEE NOTE 4)



ASPHALT TRAIL REPLACEMENT PER DETAIL SHEET 4

SCALE IN FEET

CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITT NO.	VOL.	PAGE	GRANTOR			

SHOTCRETE REHABILITATION PLAN & PROFILE STATION 33+00 TO 39+50

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS

CITY OF COLUMBUS	I OWNER L									
OHT OF COLOMBOS		CONTR		₹	ISSUED STATUS: BID					
		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	1.3	OF	70	
	AGREE	MENT	CO	MPLETED	VERTICAL: 1" = 10'		10			
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLA	N NO.		
	IND DET		R	ECORD FILE	CC-18773					

-WETLAND BB CAT. 2 WETLAND

0.272 ACRES

(DND)

رم (101S0029)

FLOODWAY

ALUM CREEK

TREE LINE

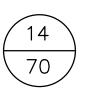
-SEE NOTE 7

-MH WORK LIMITS 50'X50' TYP.

(SEE NOTE 3)

-84" DIA. CEDAR TREE TO

EASEMENT REFERENCE



NOTES:

-EDGE OF BANK

TREE LINE-

ALUM CREEK

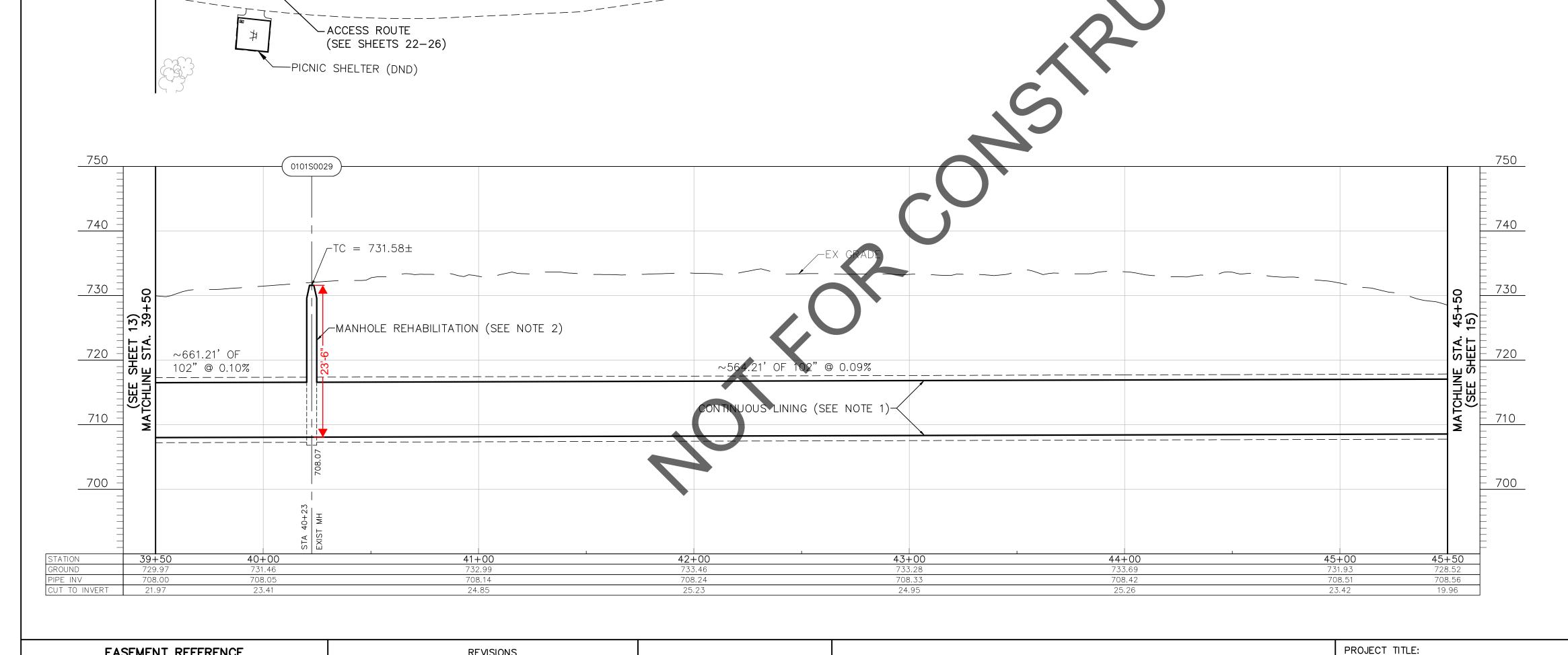
TREE LINE

- 1. CONTRACTOR SHALL PERFORM CONTINUOUS LINING PER SS-14A AND DETAIL ON SHEET 6.
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MH WORK AREA REFERENCE POINT DATA:

EASTING NORTHING P23 692465.2039 1852174.1881 1852190.2439 P24 692417.8519 P25 692401.7961 1852142.8919 P26 692449.1481 1852126.8361

ACCESS ROUTE (SEE NOTE 4)



-EDGE OF BANK

PID 530-156579

3091 WATKINS RD

CITY OF COLUMBUS

EDGE OF TRAIL-

FLOODWAY AND 100-YR FLOODLAIN

EXIST 102" SAN (TBRH)-

ALUM CREEK AREÁ

TRUNK SEWER

(RP - 2493)

SCPZ _

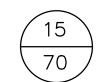
SCALE IN FEET

REVISIONS

ALUM	CREEK	TRUNK	SOUTH	(ACT-S)	
SANITARY	SEWER	REHABIL	LITATION	- PHASE	1
	CIP NO.	65072	5-1000	04	

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS		OWI	NER						
		CONTR	ACTO	R	ISSUED STATUS: BID				
		INSPECTOR			SCALE: HORIZONTAL: 1" = 30'	SHEET:	14	OF	70
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NOTES:

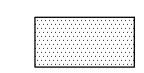
- 1. CONTRACTOR SHALL PERFORM CONTINUOUS LINING PER SS-14A AND DETAIL ON SHEET 6.
- 2. CONTRACTOR SHALL PERFORM MANHOLE REHABILITATION
- 3. CONTRACTOR WORK LIMITS ARE LIMITED TO THE AREAS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL INSTALL 6-FT TALL ULINE - SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) AROUND MH WORK AREAS DURING CONSTRUCTION.
- 4. FOR CONSTRUCTION BYPASS AND ACCESS ROUTE ALIGNMENTS, SEE SHEETS 27-44.
- 5. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 6. NUMBERED TREES WITHIN THE WORK LIMITS INDICATE TREES 6" IN DIAMETER OR GREATER THAT ARE TO BE REMOVED AND REPLACED ON AN AS NEEDED BASIS. CONTRACTOR TO LEAVE AS MANY TREES UNDISTURBED AS POSSIBLE. SEE TREE REMOVAL & REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.
- 7. TREES WITHIN THE WORK LIMITS OR ACCESS ROUTE LIMITS THAT ARE NOT NUMBERED INDICATE TREES THAT ARE LESS THAN 6" IN DIAMETER AND ARE TO BE REMOVED ON AN AS NEEDED BASIS UNDER ITEM 201-CLEARING & GRUBBING. SEE TREE REMOVAL AND REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.

MH WORK AREA REFERENCE POINT DATA:

NORTHING EASTING P27 692970.4751 1851986.0701 P28 692935.2299 1852021.5352 P29 692899.7648 1851986.2900 P30 692935.0100 1851950.8249



ACCESS ROUTE (SEE NOTE 4)



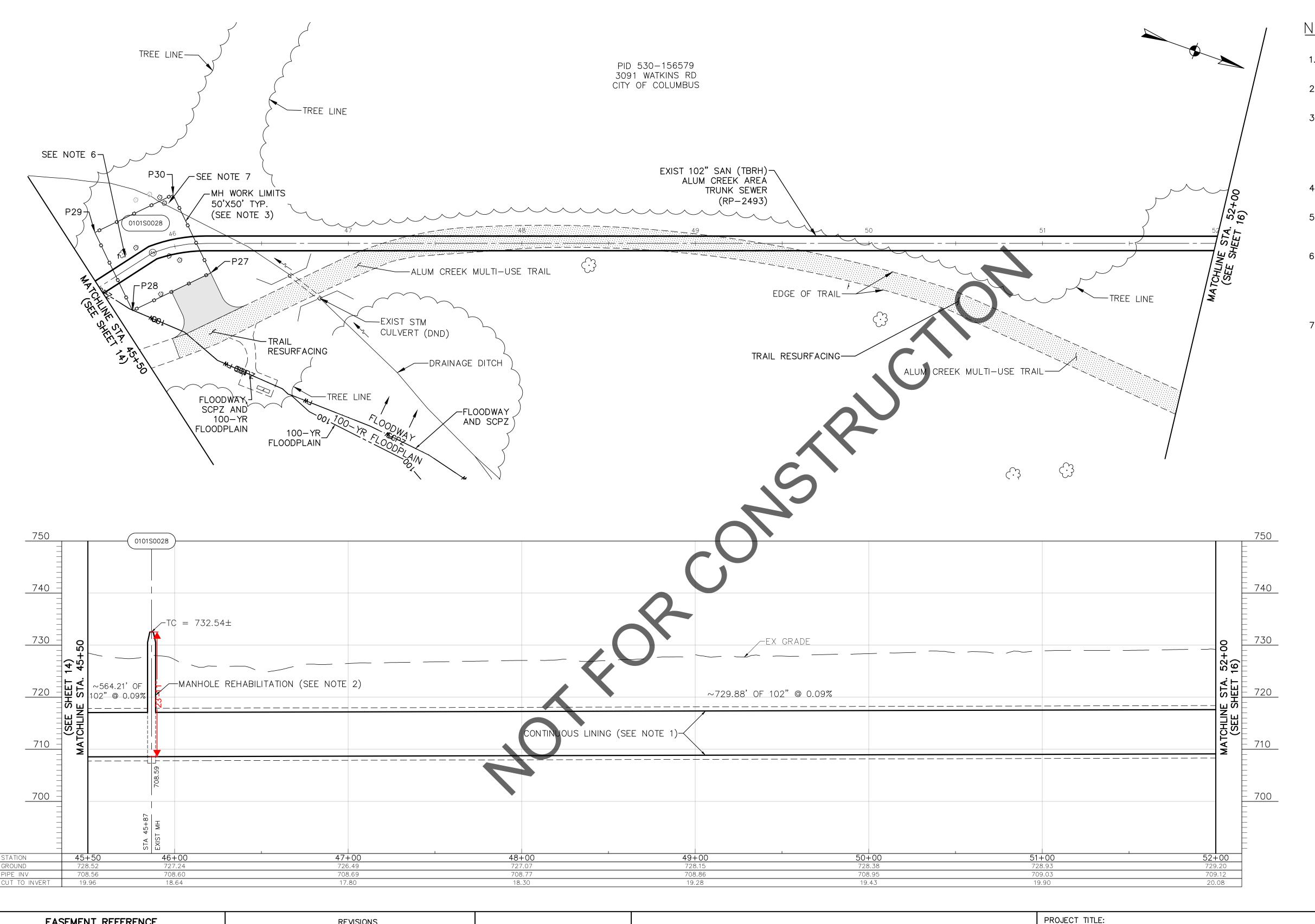
MULTI-USE PATH MILL AND OVERLAY $(T=1-\frac{1}{4})$



CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER DIVISION USE ONLY

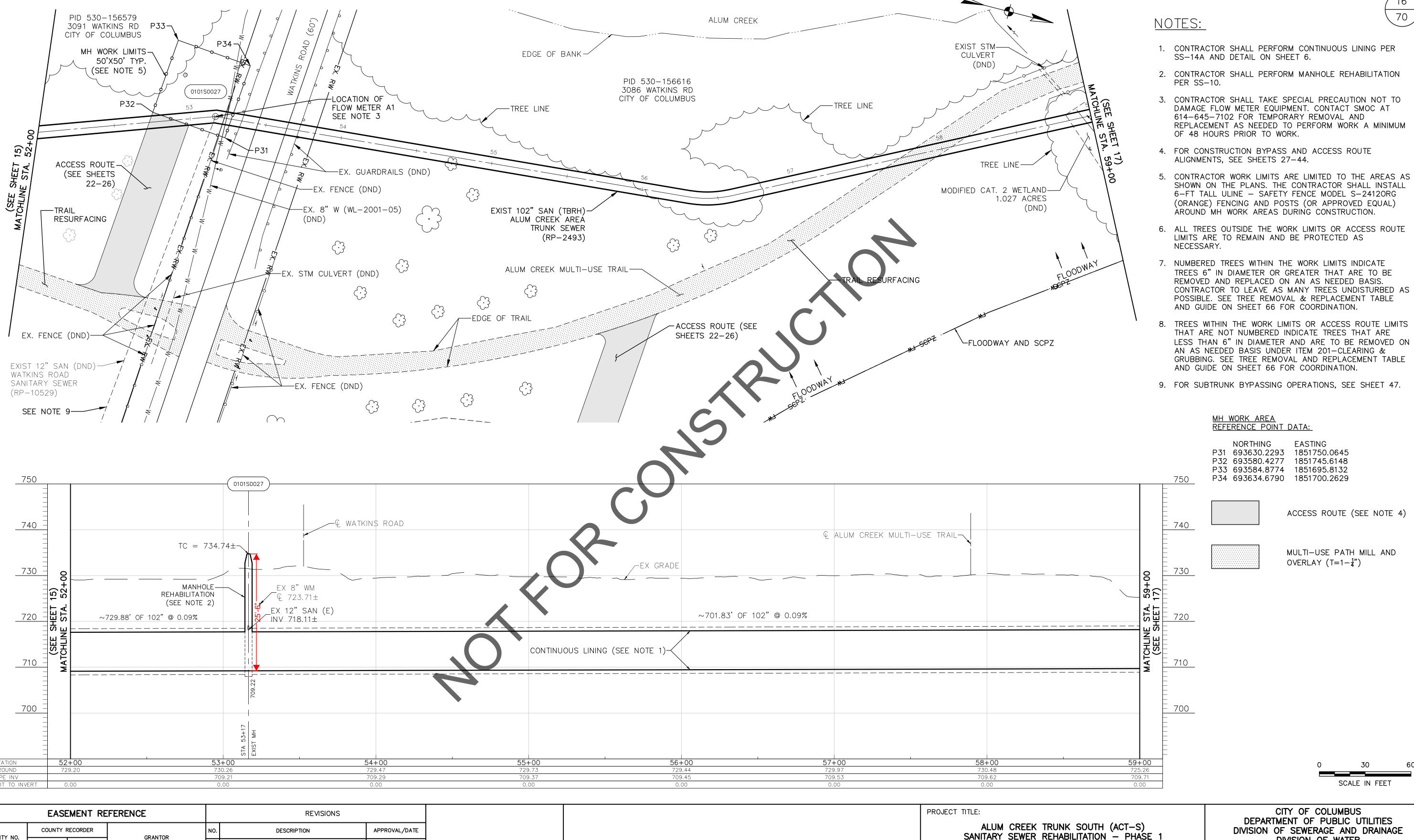
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		INSPECTOR			SCALE: HORIZONTAL: 1" = 30'	SHEET:	15	OF	70
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EASEMENT REFERENCE REVISIONS COUNTY RECORDER APPROVAL/DATE DESCRIPTION GRANTOR PAGE

SHOTCRETE REHABILITATION PLAN & PROFILE STATION 45+50 TO 52+50



SHOTCRETE REHABILITATION PLAN & PROFILE STATION 52+50 TO 59+00

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS		OWI	NER								
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		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30' SHEET: 16 OF 70						
	AGRE	EMENT	COMPLETED		VERTICAL: 1" = 10'						
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COUNTY RECORDER

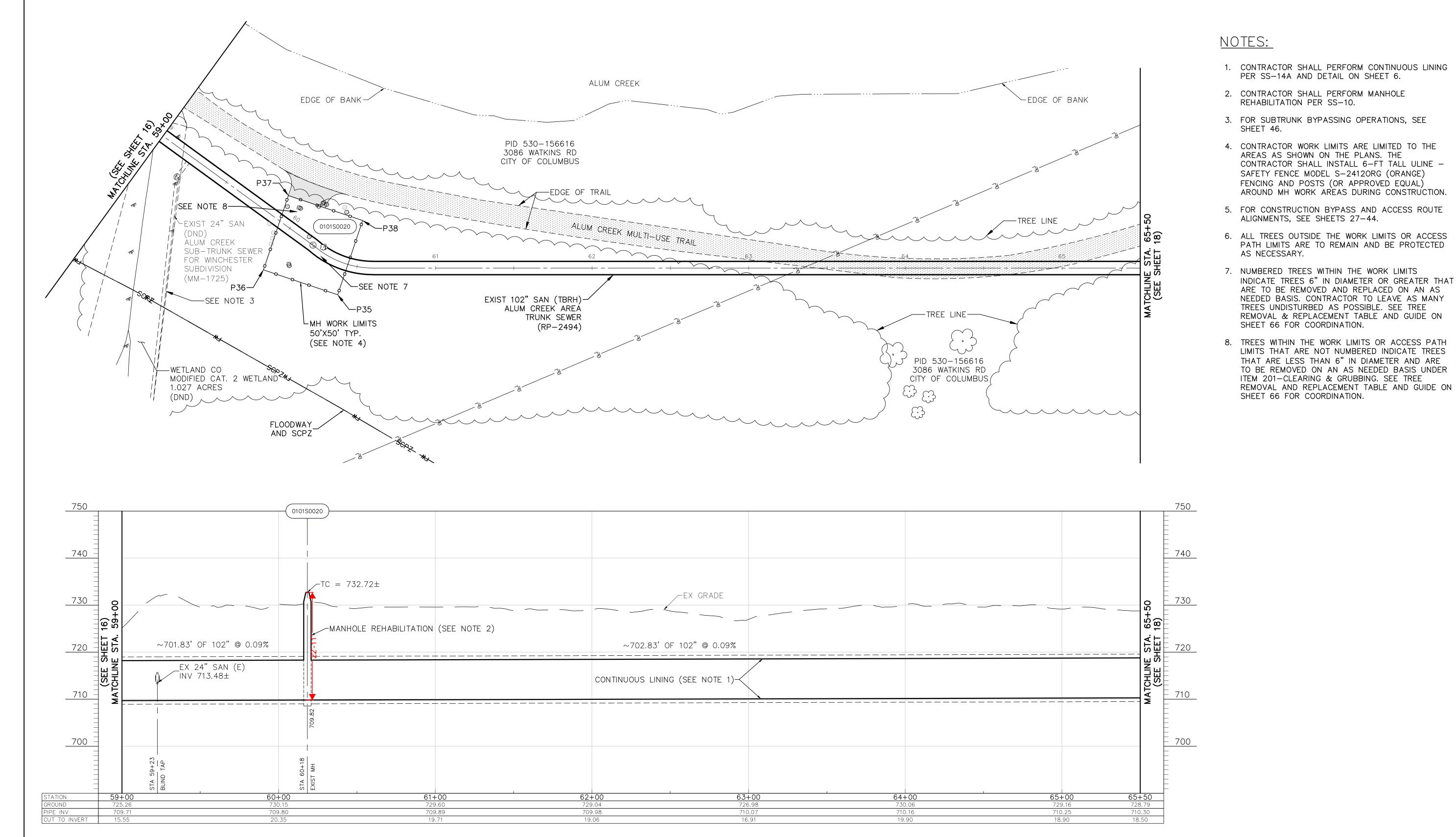
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CITY NO.

REVISIONS

DESCRIPTION

APPROVAL/DATE



PROJECT TITLE: | CITY OF COLUMBUS | DEPARTMENT OF PUBLIC UTILITIES | DIVISION OF SEWERAGE AND DRAINAGE | DIVISION OF WATER |

RECORD FILE CONTRACT DRAWING NO.

RECORD PLAN NO.

RPD CKD CLD CON. DR.

INDEX DETAIL

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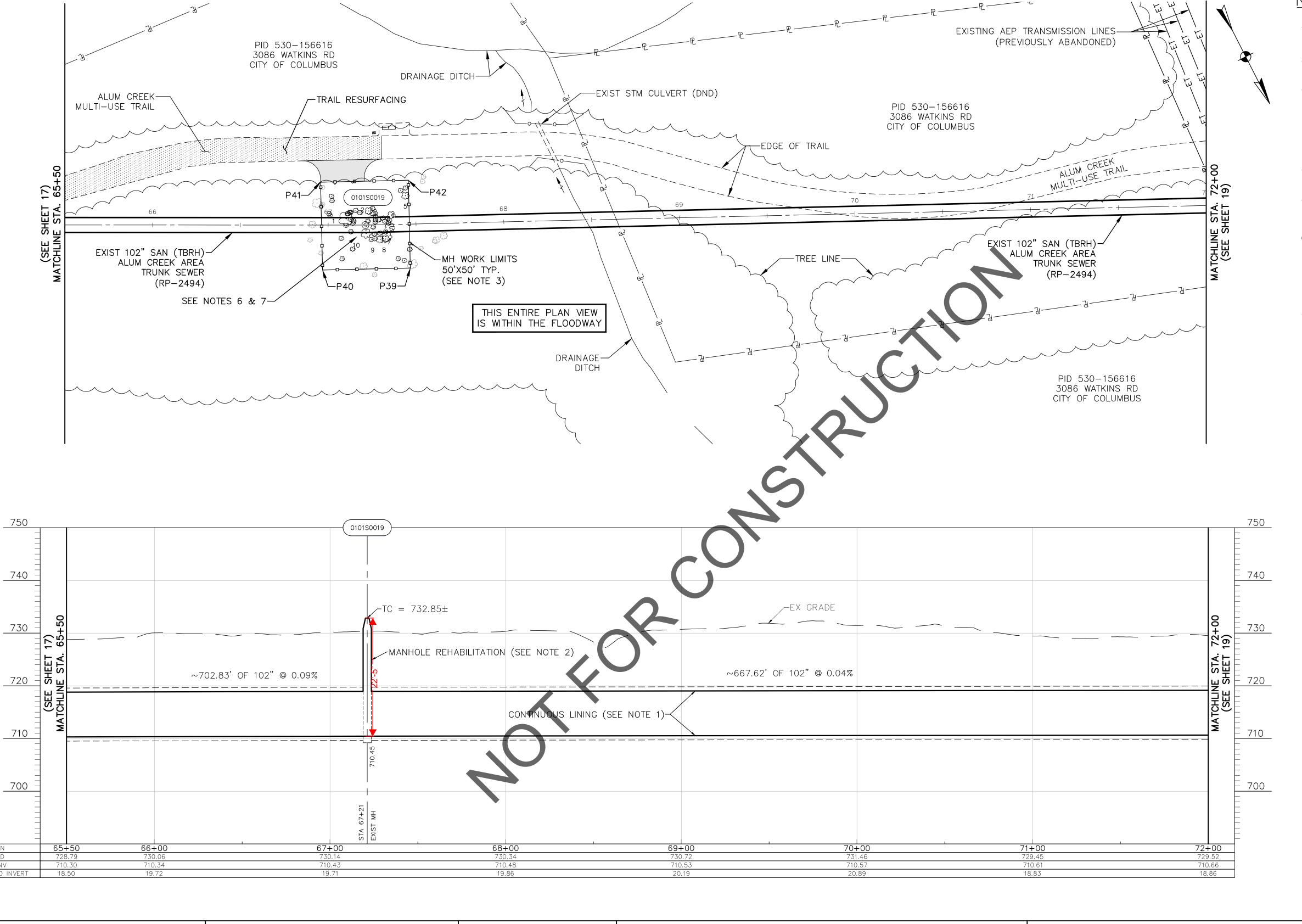
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CITY NO.

REVISIONS

DESCRIPTION

APPROVAL/DATE



NOTES:

1. CONTRACTOR SHALL PERFORM CONTINUOUS LINING PER SS-14A AND DETAIL ON SHEET 6.

2. CONTRACTOR SHALL PERFORM MANHOLE REHABILITATION PER SS-10.

3. CONTRACTOR WORK LIMITS ARE LIMITED TO THE AREAS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL INSTALL 6-FT TALL ULINE - SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) AROUND MH WORK AREAS DURING CONSTRUCTION.

70

4. FOR CONSTRUCTION BYPASS AND ACCESS ROUTE ALIGNMENTS, SEE SHEETS 27-44.

5. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS PATH LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.

6. NUMBERED TREES WITHIN THE WORK LIMITS INDICATE TREES 6" IN DIAMETER OR GREATER THAT ARE TO BE REMOVED AND REPLACED ON AN AS NEEDED BASIS. CONTRACTOR TO LEAVE AS MANY TREES UNDISTURBED AS POSSIBLE. SEE TREE REMOVAL & REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.

7. TREES WITHIN THE WORK LIMITS OR ACCESS PATH LIMITS THAT ARE NOT NUMBERED INDICATE TREES THAT ARE LESS THAN 6" IN DIAMETER AND ARE TO BE REMOVED ON AN AS NEEDED BASIS UNDER ITEM 201-CLEARING & GRUBBING. SEE TREE REMOVAL AND REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.

MH WORK AREA REFERENCE POINT DATA:

NORTHING EASTING P39 694645.4524 1850913.6261 P40 694623.7539 1850958.6725 P41 694578.7075 1850936.9740 P42 694600.4060 1850891.9276

ACCESS ROUTE (SEE NOTE 4)

MULTI-USE PATH MILL AND OVERLAY $(T=1-\frac{1}{4})$

SCALE IN FEET CITY OF COLUMBUS

SHOTCRETE REHABILITATION PLAN & PROFILE STATION

65+50 TO 72+00

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1

CIP NO. 650725-100004

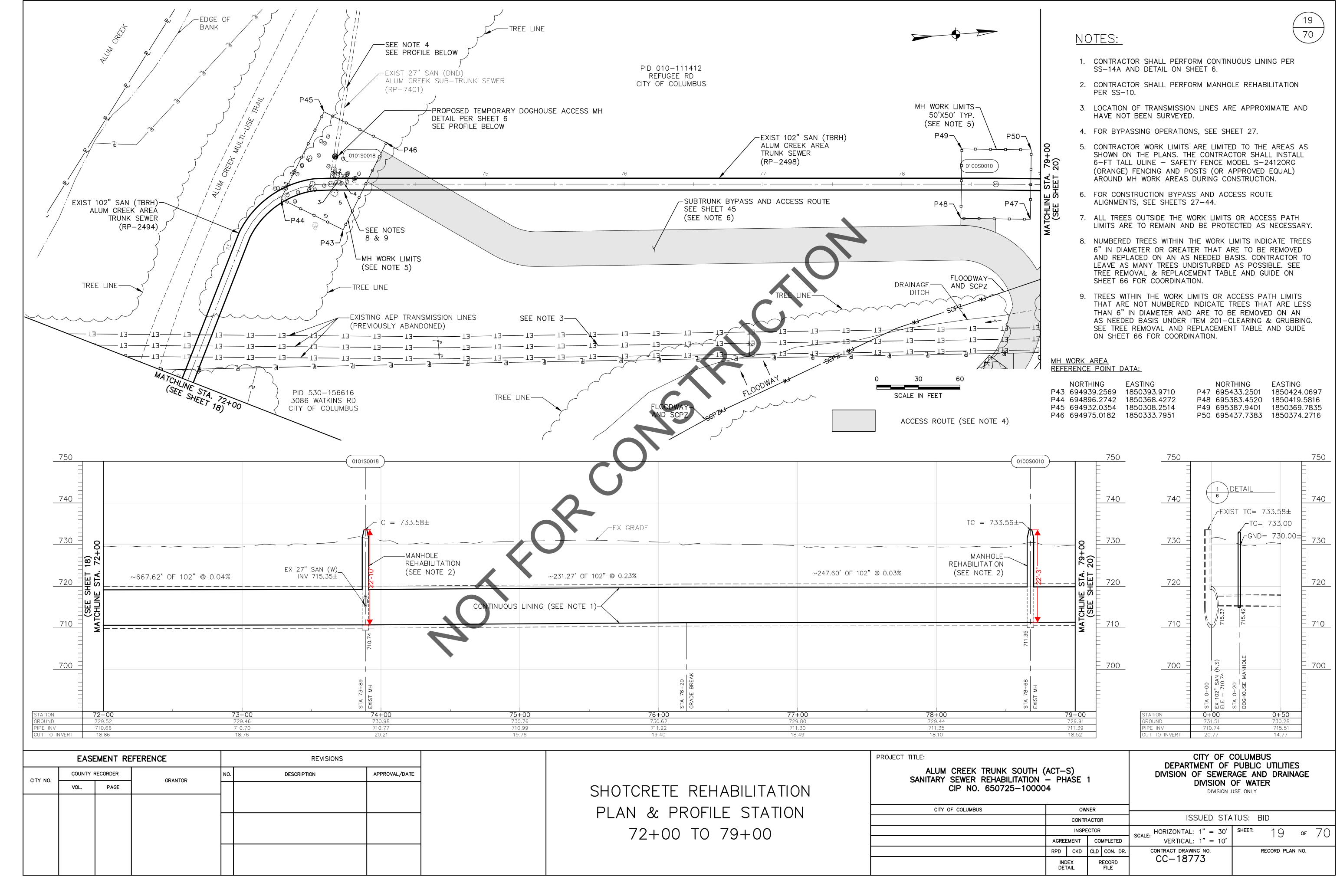
OWNER ISSUED STATUS: BID CONTRACTOR SCALE: HORIZONTAL: 1" = 30' SHEET: 18 of 70 VERTICAL: 1" = 10COMPLETED AGREEMENT CONTRACT DRAWING NO. RPD | CKD | CLD | CON. DR. RECORD PLAN NO.

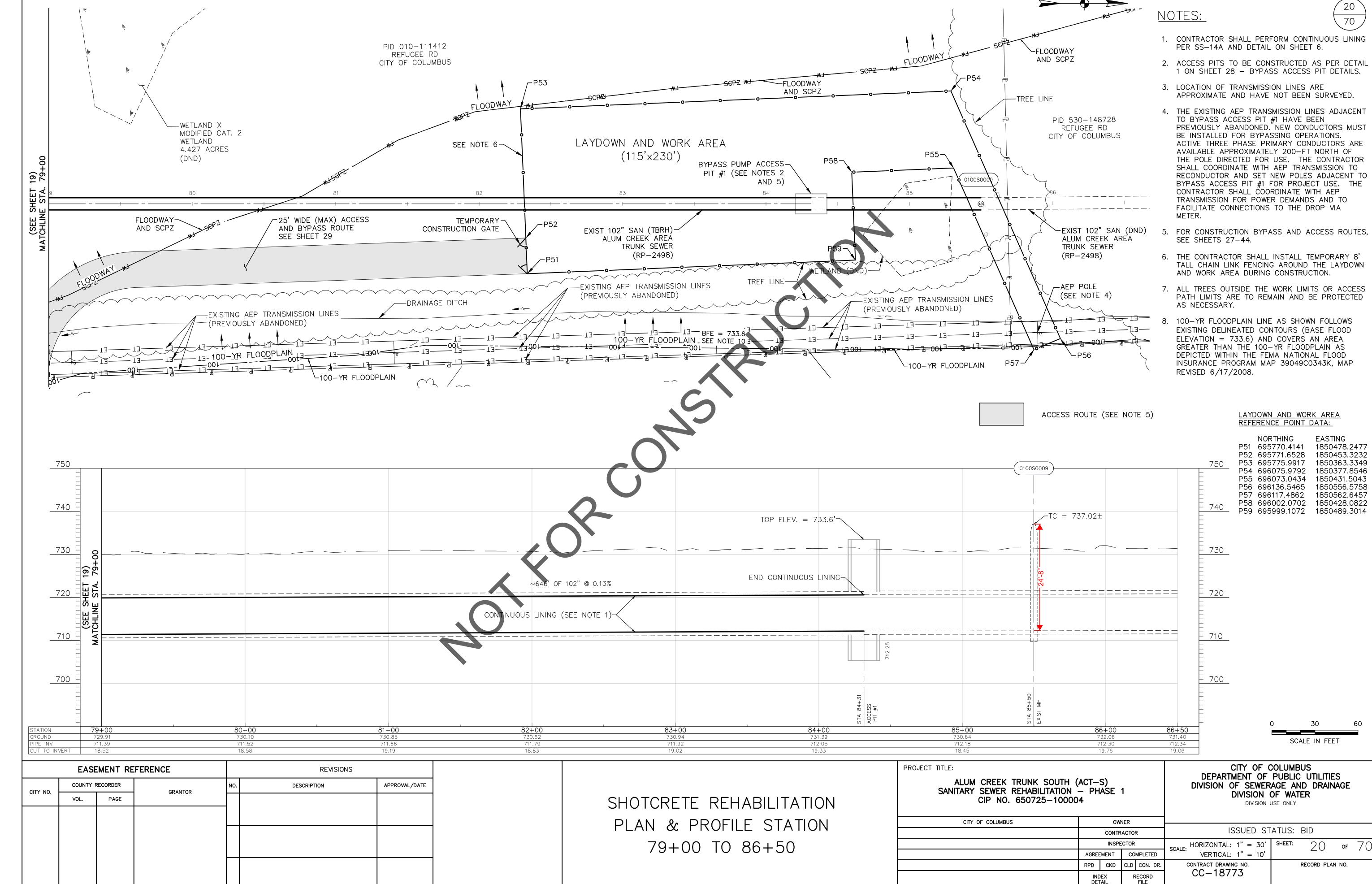
PROJECT TITLE:

DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

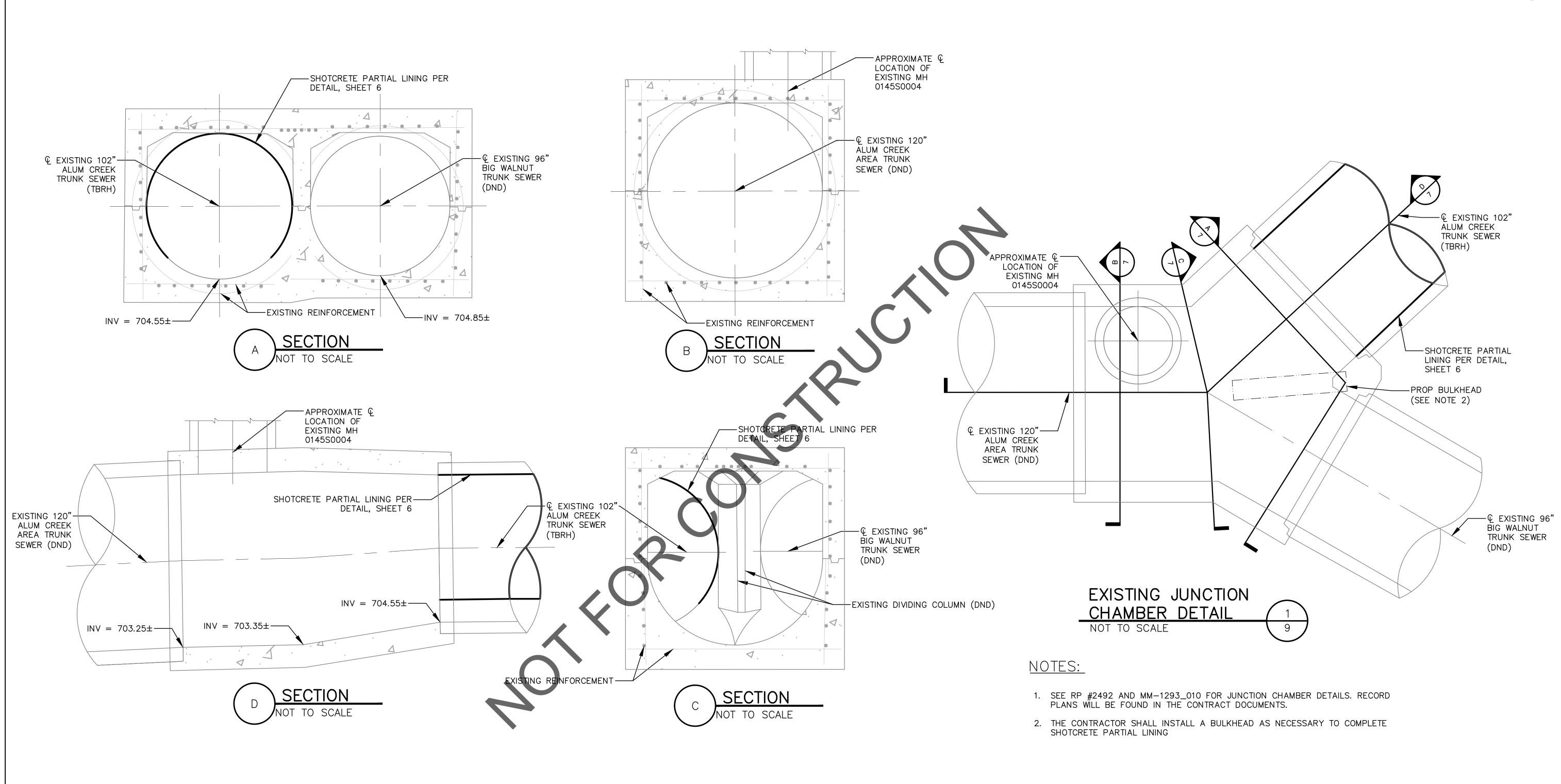
DEPARTMENT OF PUBLIC UTILITIES

CITY OF COLUMBUS CC-18773 RECORD FILE





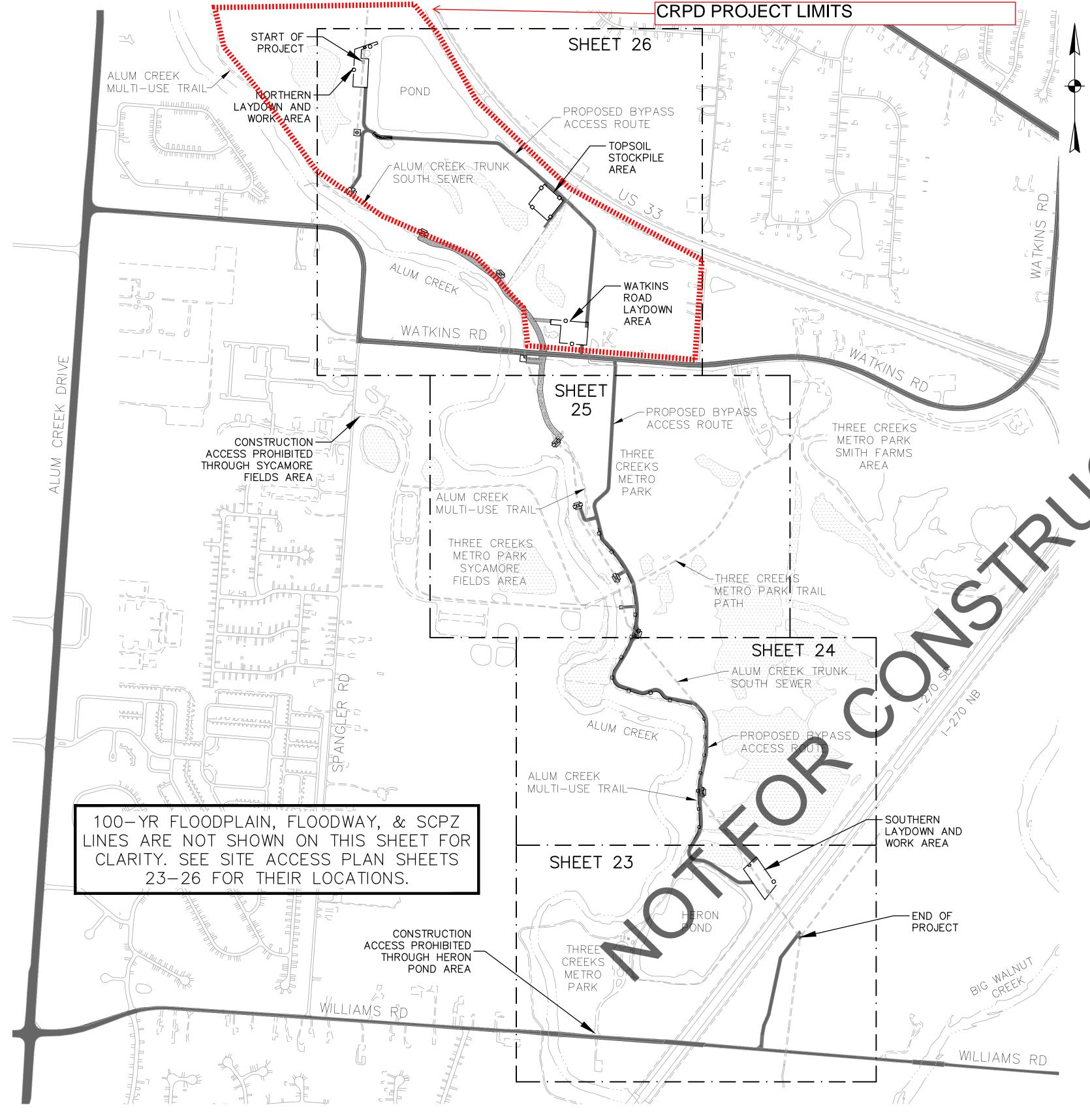




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CITY NO	COUNTY RE	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		ALUM CREEK TRUNK SOU SANITARY SEWER REHABILITATI	TH (ACT-S)	1	DIVISION OF SEWERAGE AND DRAINAGE
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EASEMENT REFERENCE

COUNTY RECORDER



OVERALL SITE ACCESS NOTES:

- 1. ACCESS TO EACH MANHOLE ALONG THE ACT—S SEWER IS PERMITTED VIA EITHER THE LIGHT DUTY OR HEAVY DUTY CONSTRUCTION ROUTES DENOTED BELOW. THE CONTRACTOR MAY NOT ENCROACH INTO THE PARK BEYOND THE DENOTED ACCESS/BYPASS ROUTES, LAYDOWN AREAS, AND STOCKPILE AREA WITHOUT WRITTEN APPROVAL FROM CRPD AND THE OWNER. ADDITIONAL REQUIREMENTS ARE LISTED BELOW.
- 2. CONTRACTOR MAY CLEAR WORK AREAS NOT LARGER THAN 50' BY 50' OF UNDERBRUSH LESS THAN 6-INCHES IN CALIPER DIAMETER AT CHEST HEIGHT FOR WORKING SPACE AT EACH MANHOLE UNLESS OTHERWISE NOTED. COST FOR REMOVAL OF UNDERBRUSH SHALL BE INCLUDED IN THE PRICE BID UNDER ITEM 201, CLEARING AND GRUBBING.
- 3. ANY TREE CLEARING BY THE CONTRACTOR NOT DESIGNATED ON THE PLANS SHALL BE PERFORMED PER GENERAL NOTE 15 TREE PRESERVATION, AND SHALL BE PERFORMED AT NO EXTRA COST TO THE OWNER. SEE SHEET 66 FOR THE TREE REMOVAL AND REPLACEMENT TABLE.
- 4. CONTRACTOR SHALL INCLUDE THE COST REQUIRED TO SURVEY AND STAKE THE EXISTING EASEMENTS, ROW, PRIVATE PROPERTY LINES, LAYDOWN AREAS, AND EACH MH WORK AREA UNDER THE PRICE BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES.
- 5. CONTRACTOR SHALL INCLUDE THE COST REQUIRED TO DELINEATE THE ENTIRE LENGTH OF THE 25' WIDE ACCESS ROUTE UNDER THE PRICE BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES. CONTRACTOR SHALL ALSO ADD STAKES WITH RIBBON AT EVERY BEND, POINTS OF CURVATURE, AND POINTS OF TANGENCY OF THE ACCESS ROUTE AND AT 100' INTERVALS ON THE OPPOSITE SIDE OF THE COMPOST FILTER SOCK.
- 6. CONTRACTOR SHALL INSTALL 8' TALL CONSTRUCTION FENCE, TYPE CLT, CHAIN LINK AROUND STAGING AREAS, AND MOVABLE 6' TALL CONSTRUCTION FENCE, TYPE CLT, CHAIN LINK FENCE AROUND WORKING/OPEN MANHOLES. 6' ORANGE MESH SNOW FENCING SHALL BE INSTALLED WHERE THE ACCESS PATH IS ADJACENT TO THE BIKE PATH, AS SHOWN ON THE PLANS.
- 7. REFER TO SHEETS 8-20 FOR SHOTCRETING PLANS AND PROFILES.
- 8. REFER TO SHEETS 27-47 FOR BYPASSING PLANS AND PROFILES AND ACCESS ROUTE ALIGNMENT.
- 9. CONTRACTOR SHALL COORDINATE WITH COLUMBUS RECREATION AND PARKS (TINA MOHN, 614—645—3395) TO COORDINATE WORK ACTIVITIES AND WORK HOURS DURING ANY PUBLIC EVENTS.
- 10. CONSTRUCTION ACCESS PROHIBITED THROUGH SYCAMORE FIELDS PARK. USE OF THE BRIDGE CONNECTING THE PARK TO THE MULTI-USE TRAIL IS ALSO PROHIBITED.
- 11. STAGING OR STORAGE IS PROHIBITED WITHIN PARK PROPERTY OUTSIDE OF THE DESIGNATED LAYDOWN AREAS.

NGHT DUTY TRAFFIC TRAIL CONSTRUCTION ROUTE — FOR ACCESS TO MANHOLES 0101S0019, 0101S0020, 0101S0027, & 0101S0028 ONLY.

CONSTRUCTION EQUIPMENT IS PROHIBITED FROM UTILIZING THE TRAIL OTHER THAN WHERE ALLOWED AS INDICATED BY THE LEGEND:

THE CONTRACTOR MAY ACCESS THESE MANHOLES AND WORK AREAS USING THE EXISTING ALUM—CREEK MULTI—USE TRAIL WHILE ADHERING TO THE FOLLOWING REQUIREMENTS:

- A) CONSTRUCTION VEHICLES PERMITTED ON THE TRAIL ARE LIMITED TO A MAXIMUM OF 1/2-TON RATED TRUCKS (US GVWR CLASS 2A). LOADING MAY NOT EXCEED VEHICLE'S RATED CAPACITY.
- B) CONTRACTOR SHALL COORDINATE ALL USE OF THE TRAIL WITH THE CITY OF COLUMBUS, DEPARTMENT OF RECREATION AND PARKS (TINA MOHN, 614–645–3395) AT LEAST 2 WEEKS IN ADVANCE OF ANY WORK ALONG THE TRAIL OR PARK FACILITIES, INCLUDING REPAIR OR RESTORATION WORK.
- C) DURING CONSTRUCTION AND ACTIVE USE OF THE TRAIL, THE CONTRACTOR SHALL KEEP THE TRAIL OPEN AND MAINTAINED IN GOOD WORKING CONDITION AT ALL TIMES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY TEMPORARY TRAIL REPAIRS NECESSARY DURING CONSTRUCTION. ANY TRAIL DAMAGE SHALL BE REPAIRED WITHIN 12 HOURS OF DAMAGE. THE LIMITS OF REPAIR DURING CONSTRUCTION SHALL BE DETERMINED AT THE SOLE DISCRETION OF THE OWNER. THE CONTRACTOR SHALL KEEP THE TRAIL CLEAN OF ANY MUD OR DIRT FROM ANY WORK ACTIVITIES AT ALL TIMES. CLEANING/SWEEPING SHALL OCCUR AT THE END OF EACH WORK DAY AND THE COST TO KEEP THE TRAIL CLEAN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- D) FOLLOWING COMPLETION OF REHABILITATION OPERATIONS REQUIRING USE OF THE TRAIL, THE CONTRACTOR SHALL REMOVE AND REPLACE THE DAMAGED PORTIONS OF THE TRAIL, INCLUDING TEMPORARY REPAIRS, PER THE DETAIL ON SHEET 4. THE LIMITS OF REPLACEMENT SHALL BE DETERMINED AT THE SOLE DISCRETION OF THE OWNER AND SHALL BE PAID FROM THE TRAIL RESTORATION ALLOWANCE.
- E) TRAIL SIGNAGE SHALL BE ERECTED 30 DAYS PRIOR TO CONSTRUCTION ACTIVITY AND SHALL REMAIN IN PLACE DURING THE ENTIRETY OF CONSTRUCTION.
- F) LIGHT DUTY CONSTRUCTION VEHICLE ACCESS ON TRAILS SHALL UTILIZE EXTREME CAUTION AND SHALL YIELD TO ALL TRAIL USERS AT ALL TIMES.
 NO PARKING IS PERMITTED ON TRAILS.
- G) FLAGGERS ARE REQUIRED TO BE USED ON THE TRAIL WHEN MOVING EQUIPMENT ALONG THE TRAIL AND AT ALL TRAIL CROSSINGS OF EQUIPMENT.

HEAVY DUTY CONSTRUCTION ROUTE

THE HEAVY DUTY CONSTRUCTION ROUTE SHALL FOLLOW THE PROPOSED BYPASS ACCESS ROUTE, AS SHOWN IN SHEETS 27—44. THE CONTRACTOR MUST ADHERE TO THE FOLLOWING REQUIREMENTS:

- A) THE ACCESS / BYPASS ROUTE IS A 25-FOOT WIDE ROUTE THAT WILL HAVE A 10' WIDE STONE STABILIZED PATH FOR DRIVING AS SHOWN ON SHEET 51. ADDITIONAL DETAILS ARE PROVIDED ON THE SITE ACCESS MAP SHEETS, THE PRIMARY BYPASS ROUTE PLAN SHEETS, AND THE SWP3 PLAN SHEETS.
- B) THE ACCESS ROUTE FOLLOWS EXISTING WHEEL TRACKS AND DRIVABLE TRAILS AS MUCH AS POSSIBLE. TRACKING OF SEDIMENT AND MUD ON TRAILS, PARKING LOTS, AND ROADWAYS IS PROHIBITED. ANY NECESSARY CLEANING/SWEEPING SHALL OCCUR AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES PER ITEM 207 AND SD 2230 WHERE THE PROPOSED ACCESS ROUTE MEETS EXISTING PAVEMENT.
- C) WETLANDS HAVE BEEN DELINEATED THROUGHOUT THE PROJECT AREA AND THE BYPASS ACCESS ROUTE ROUTE AS SHOWN IN THESE PLANS AVOIDS THE WETLANDS AS BEST AS POSSIBLE. WHERE IT IS NECESSARY TO CROSS WETLANDS, IMPACTS SHALL BE MITIGATED AS SHOWN ON THE PLANS.

ALLIN ODEEK TOUNK COUTH (ACT C)

LEGEND:

LIGHT DUTY TRAFFIC TRAIL CONSTRUCTION ROUTE

PROJECT TITLE:

HEAVY DUTY CONSTRUCTION ROUTE

500 1000 Scale in Feet

CITY OF COLUMBUS

DEPARTMENT OF PUBLIC UTILITIES

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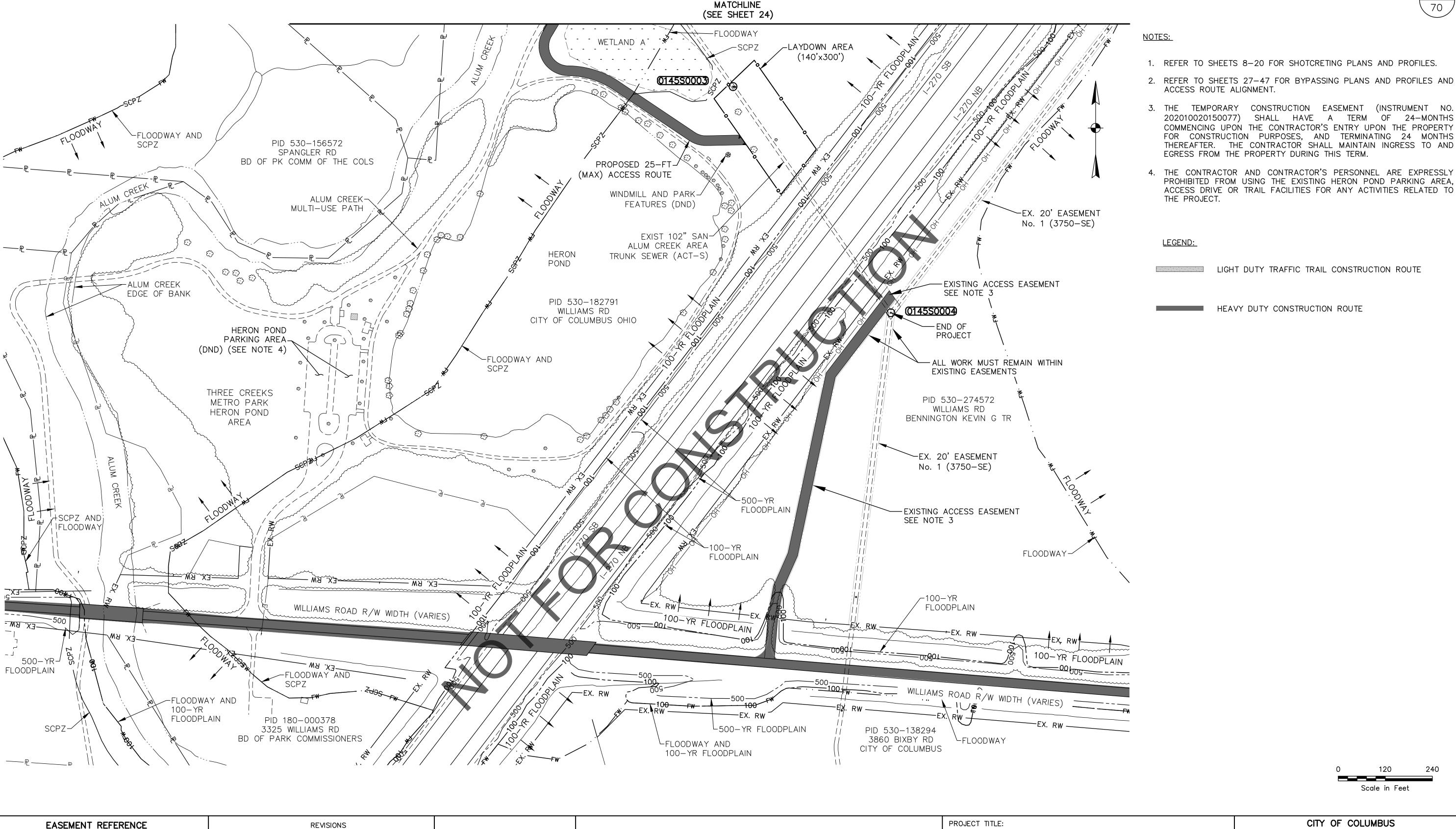
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APPROVAL/DATE COUNTY RECORDER DESCRIPTION CITY NO. GRANTOR VOL. PAGE 3750-SE 2698 W.J. ROHR ET AL 2020100-K.G. BENNINGTON ET AL 2015007

SITE ACCESS MAP 1

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

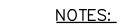
CITY OF COLUMBUS

DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

OWNER

ISSUED STATUS: BID CONTRACTOR 23 of 70 INSPECTOR SCALE: 1" = 120'AGREEMENT COMPLETED RPD | CKD | CLD | CON. DR. CONTRACT DRAWING NO. RECORD PLAN NO. CC-18773 INDEX DETAIL RECORD FILE



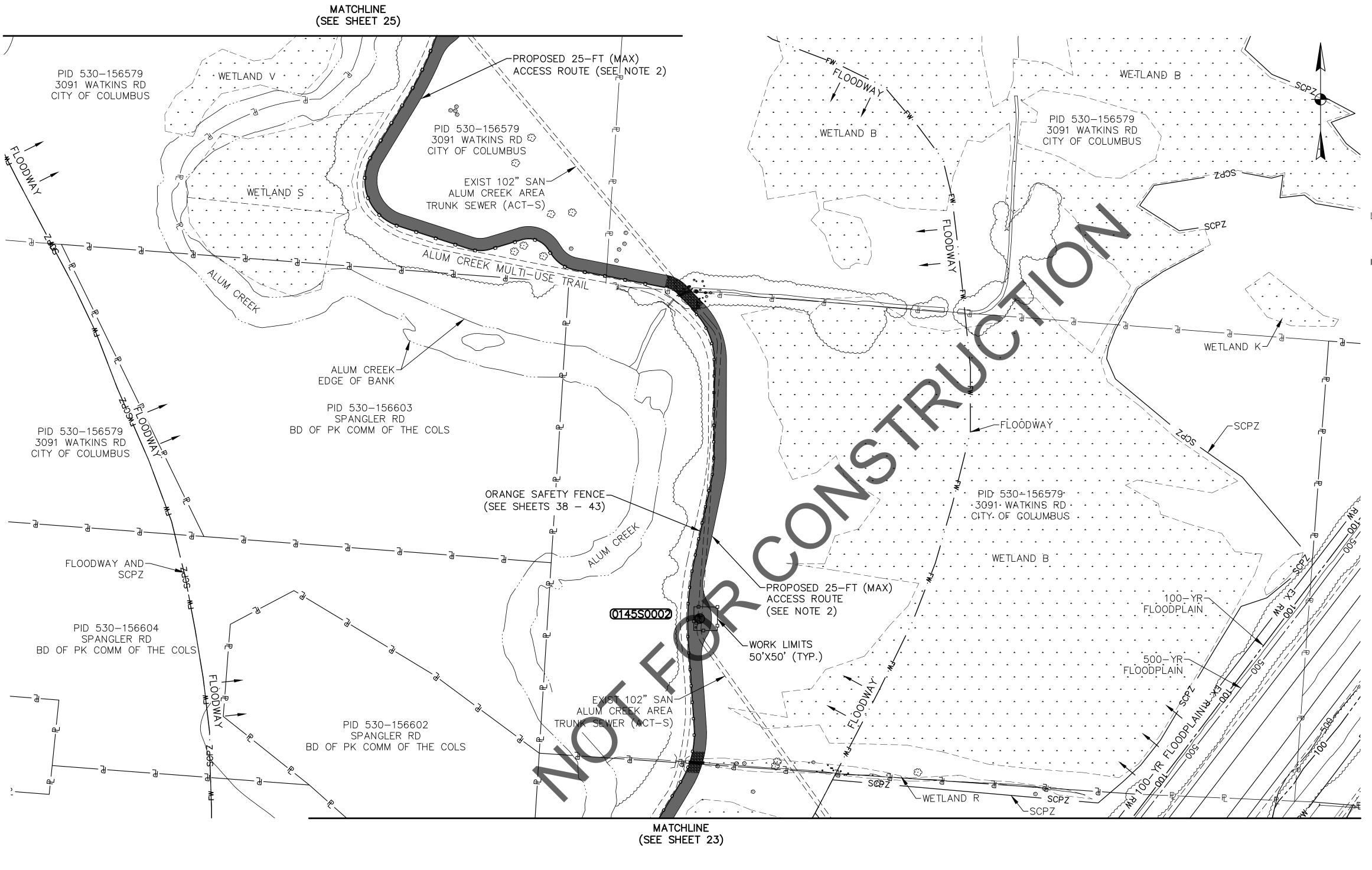


- 1. REFER TO SHEETS 8-20 FOR SHOTCRETING PLANS AND PROFILES.
- 2. REFER TO SHEETS 27-47 FOR BYPASSING PLANS AND PROFILES AND ACCESS ROUTE ALIGNMENT.

LEGEND:

LIGHT DUTY TRAFFIC TRAIL CONSTRUCTION ROUTE

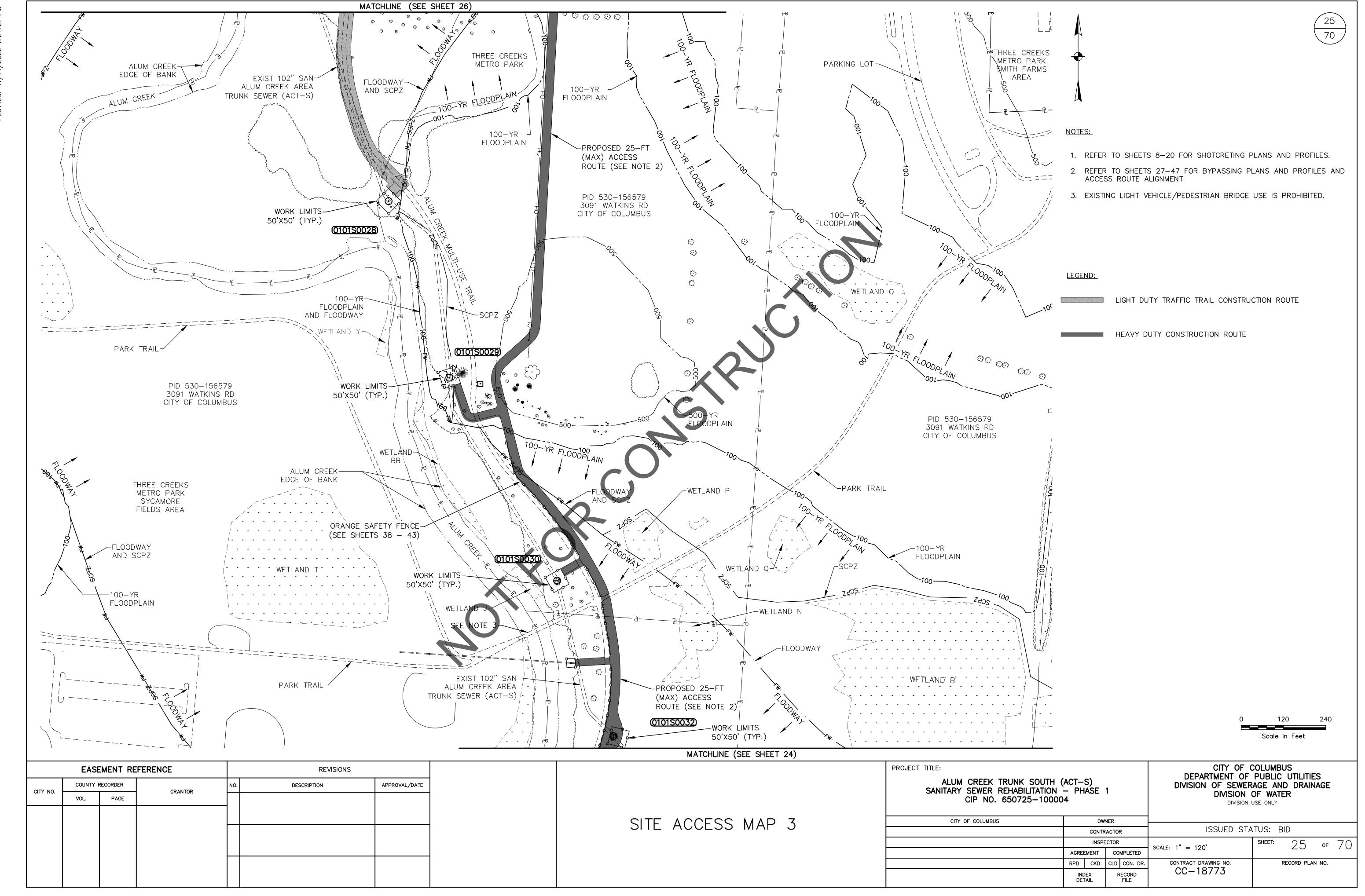
HEAVY DUTY CONSTRUCTION ROUTE

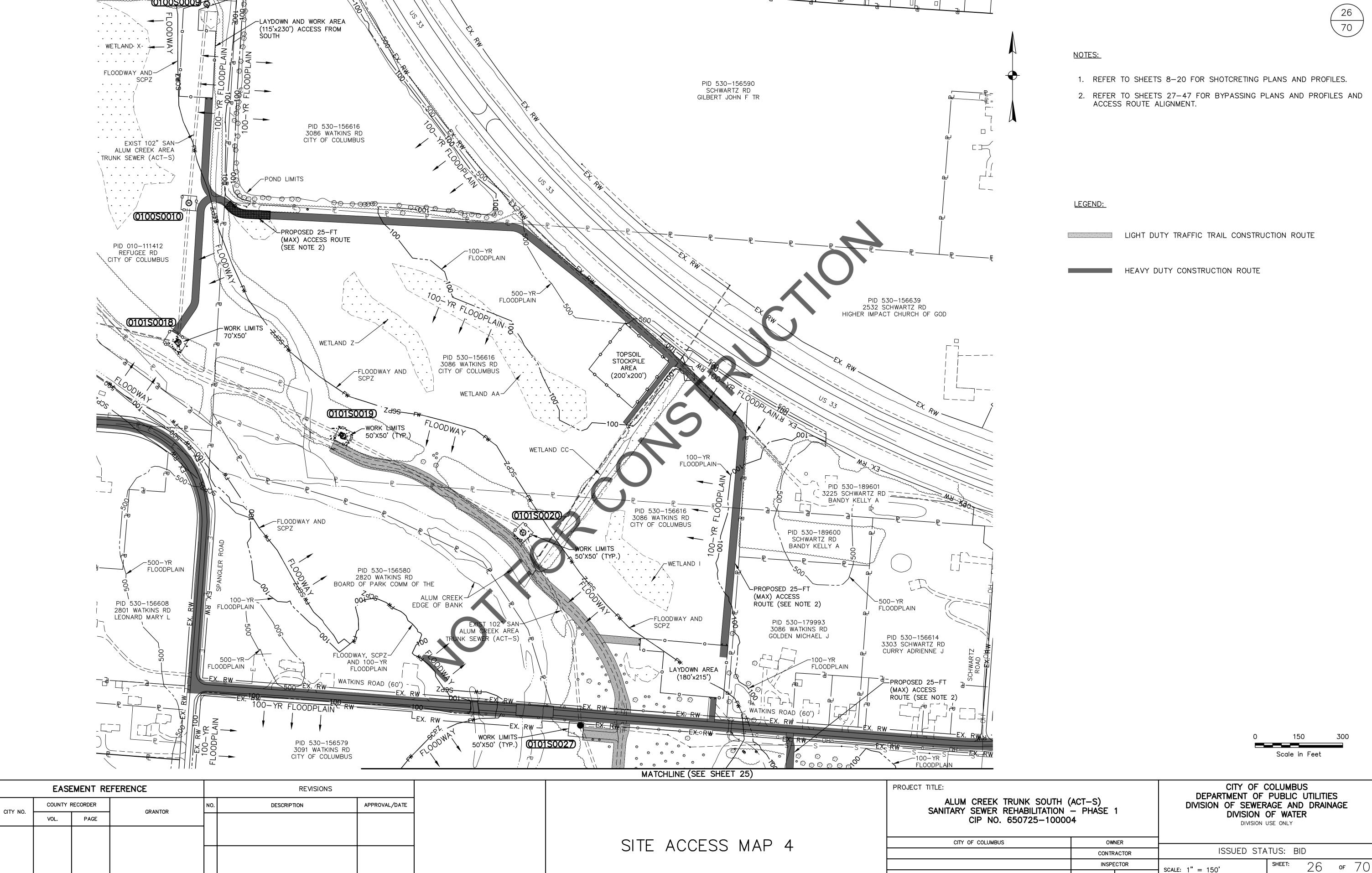


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Scale in Feet

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CITY NO.	COUNTY RE	ECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION	(ACT-S)	1	DIVISION OF SEW	ERAGE AND DRAINAGE
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AGREEMENT

INDEX DETAIL

COMPLETED

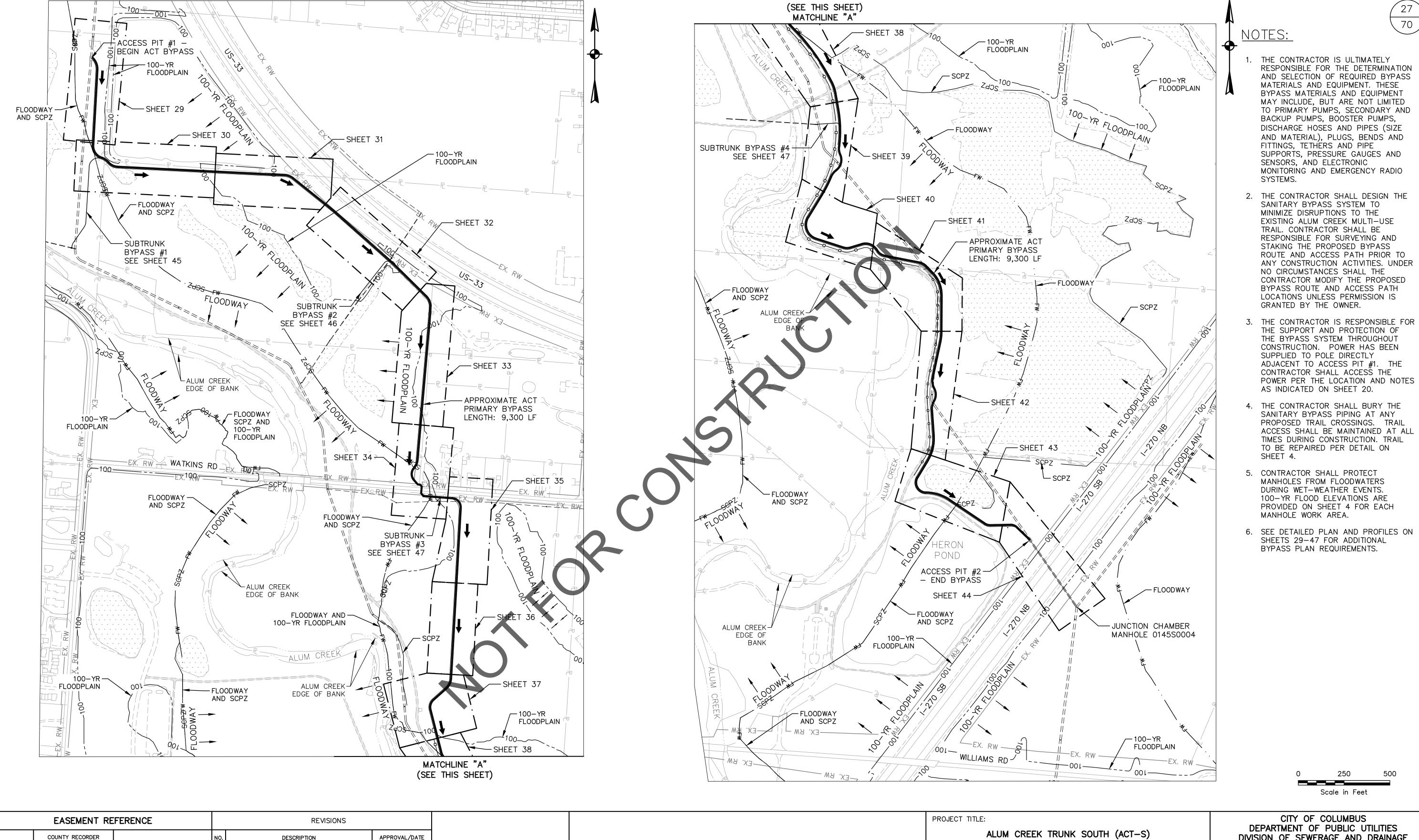
RECORD FILE

CONTRACT DRAWING NO.

CC-18773

RECORD PLAN NO.

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APPROVAL/DATE DESCRIPTION CITY NO. GRANTOR PAGE VOL.

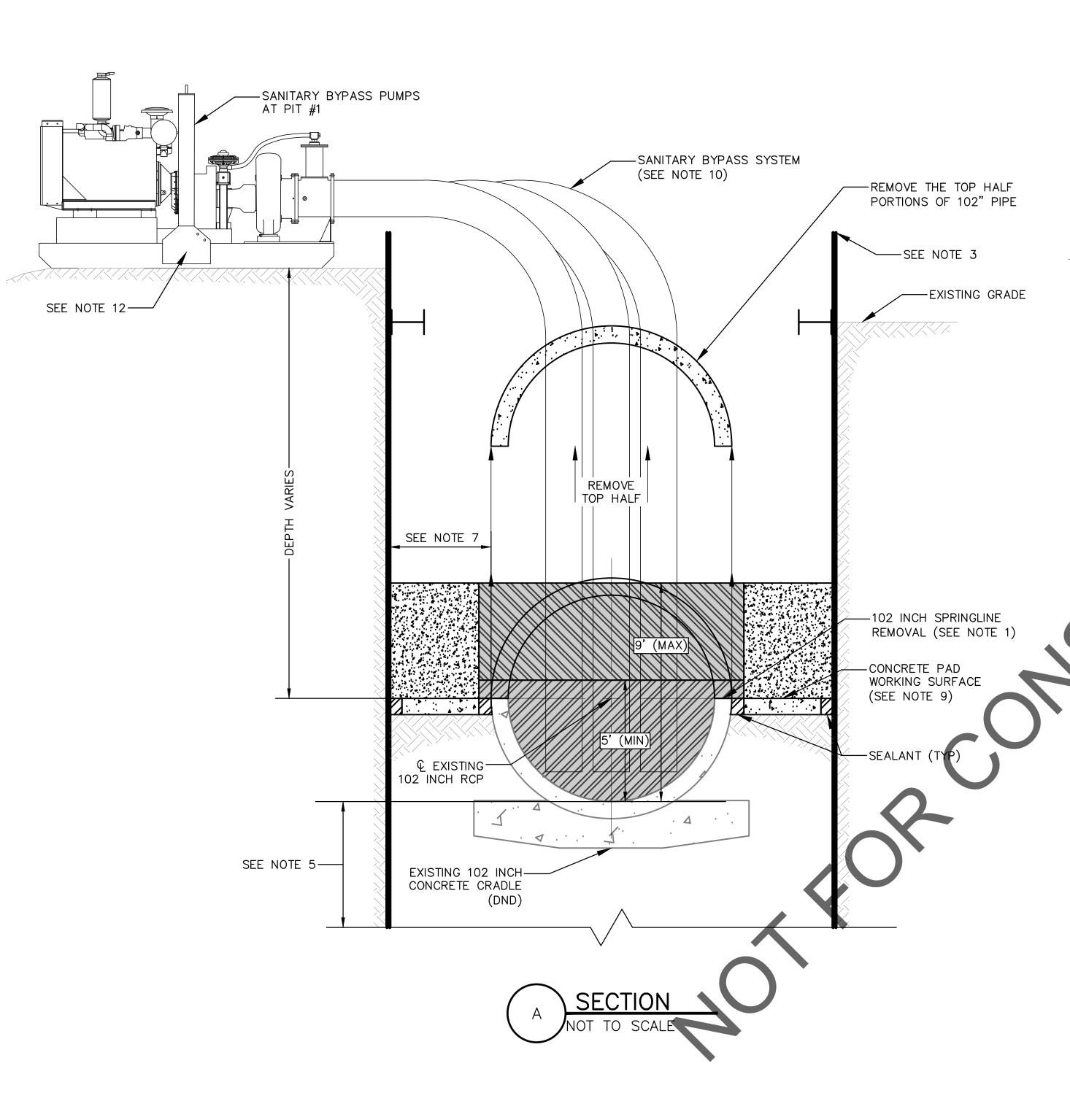
BYPASS PLAN - OVERALL MAP

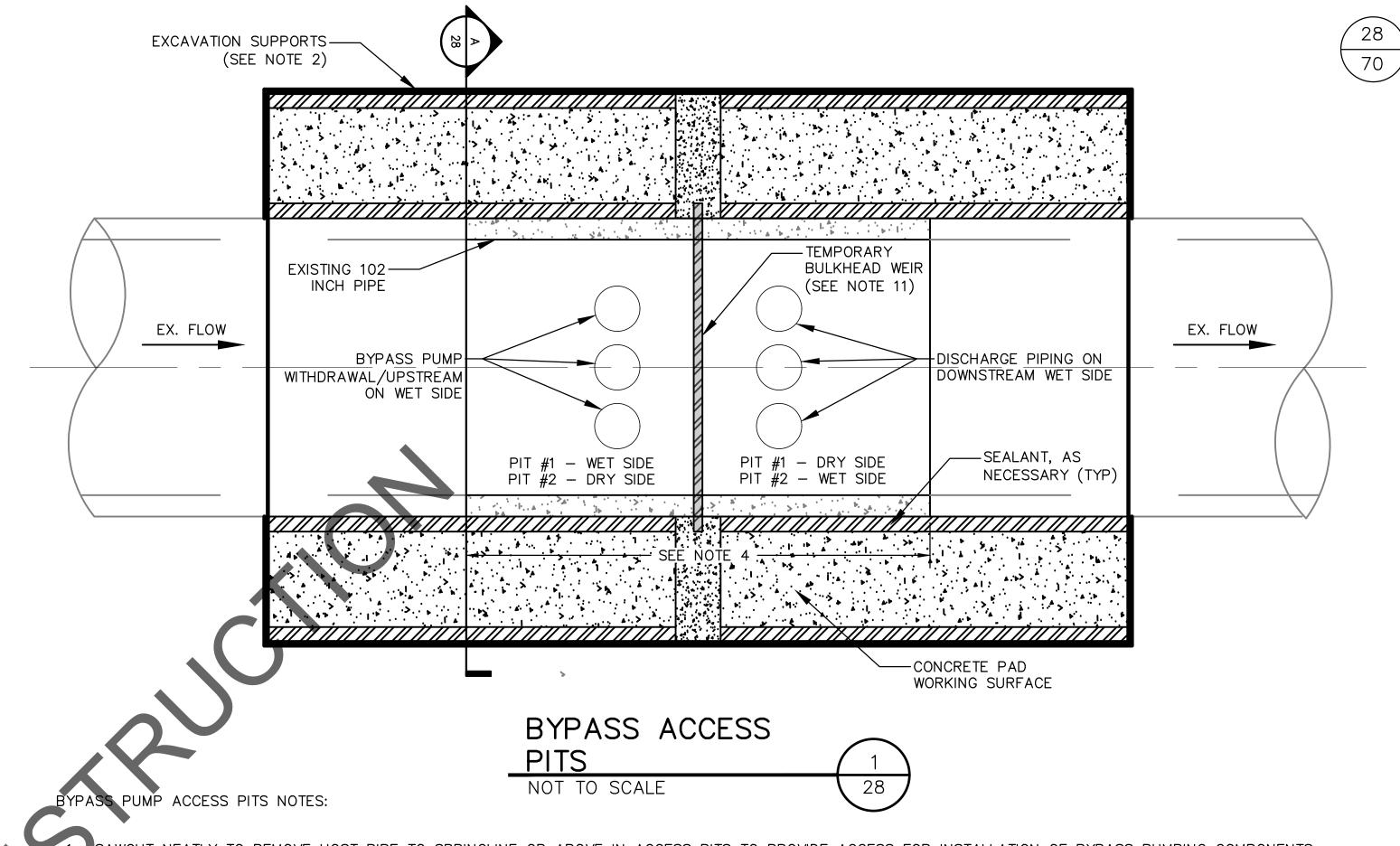
SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER

DIVISION USE ONLY

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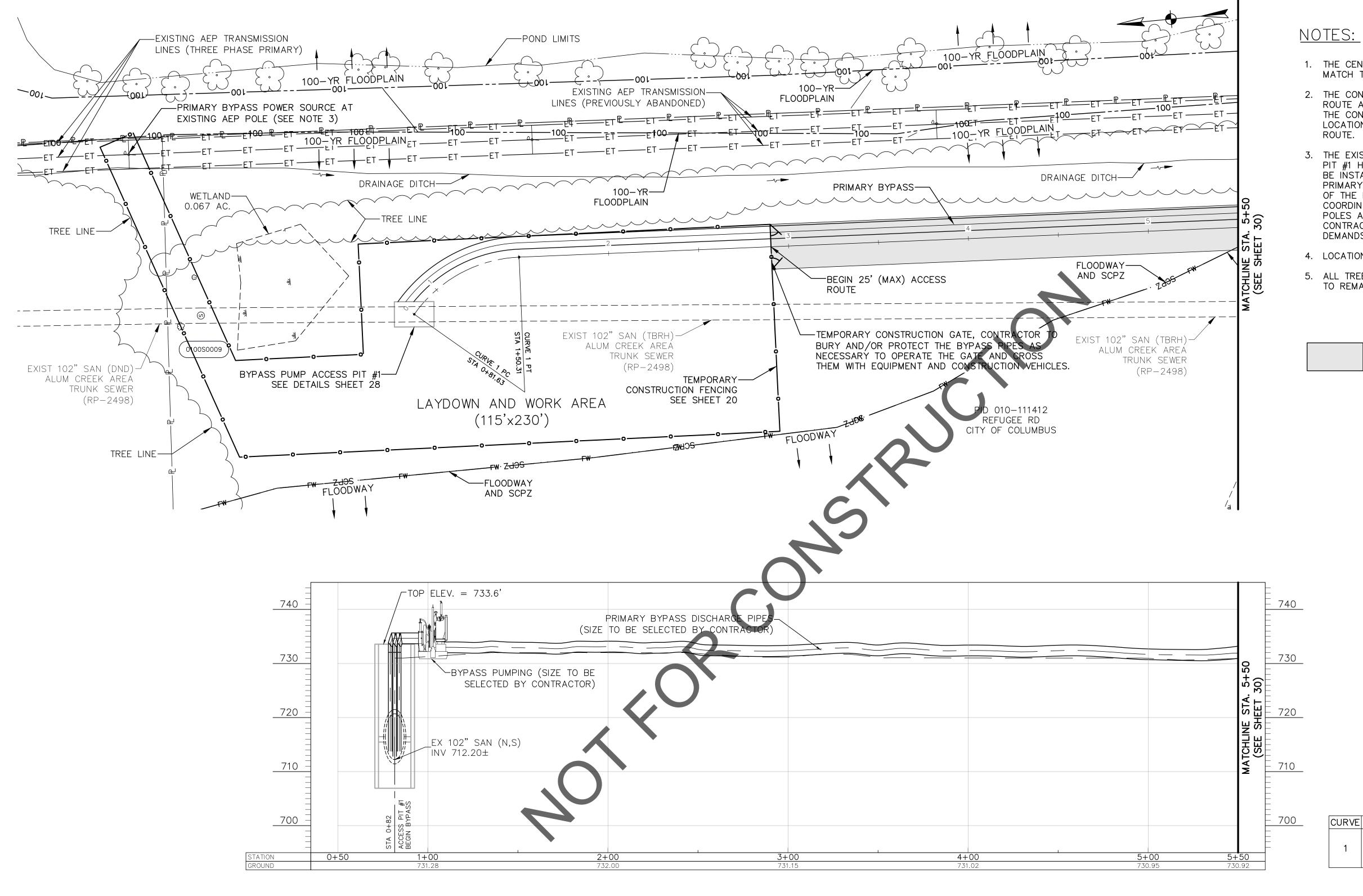
1. SAWCUT NEATLY TO REMOVE HOST PIPE TO SPRINGLINE OR ABOVE IN ACCESS PITS TO PROVIDE ACCESS FOR INSTALLATION OF BYPASS PUMPING COMPONENTS. DIMENSIONS OF OPENING TO BE DETERMINED BY CONTRACTOR.

- SUPPORT OF EXCAVATION (SOE) TO BE DESIGNED BY THE CONTRACTOR. SOE SHALL BE WATER TIGHT TO PREVENT INFILTRATION AND EXFILTRATION. SOE MATERIALS MAY BE FULLY OR PARTIALLY REMOVED AFTER COMPLETION OF WORK AT THE CONTRACTOR'S DISCRETION. SOE PARTIALLY REMOVED SHALL BE TRIMMED TO 3 FEET BELOW FINISH GRADE, UNLESS OTHERWISE PERMITTED BY THE OWNER.
- EXTEND WATERTIGHT SOE SYSTEM TO OR ABOVE THE 100-YEAR FLOODPLAIN ELEVATION OF 733.60 AT PIT #1 AND 728.70 AT PIT #2 TO CONTAIN SEWER FLOWS WITHIN ACCESS PIT AND TO PREVENT SURFACE AND FLOOD WATERS FROM ENTERING ACCESS PIT. SUBMIT SOE PLAN IN ACCORDANCE WITH APPLICABLE CITY OF COLUMBUS CMS REQUIREMENTS. SOE SYSTEM MAY NEED TO BE USED TO PROTECT PUMPS FROM 100-YR FLOOD ELEVATION AS REQUIRED. BENCHING OR EXCAVATION MAY BE REQUIRED TO REDUCE THE SUCTION LIFT REQUIRED BY THE PUMPING SYSTEM.
- 4. LIMITS AND EXTENTS OF EXISTING SEWER REMOVAL VARY PER LOCATION. DIMENSIONS AS REQUIRED BY CONTRACTOR'S MEANS AND METHODS.
- 5. SOE SYSTEM EMBEDMENT DEPTH SHALL BE AS REQUIRED PER CONTRACTOR'S DESIGN.
- 6. PROVIDE SUMP PITS TO MAINTAIN GROUNDWATER WITHIN EXCAVATIONS A MINIMUM OF 3 FEET BELOW PIPE INVERT. SUMPS SHALL BE PROVIDED FROM THE START OF EXCAVATION UNTIL AFTER THE CONCRETE PAD & SEALANT ARE IN PLACE AND EXCAVATION IS WATERTIGHT. THE CONTRACTOR SHALL ASSUME THE GROUNDWATER TABLE TO BE AT THE GROUND SURFACE.
- 7. PROVIDE CONCRETE PAD TO SEAL OFF EXPOSED EARTH SURFACE WITHIN TRENCH AREA. THICKNESS AND REINFORCEMENT AS NECESSARY TO SUPPORT THE WORK.
- 8. ADJUST SOE DEPTH, AS NECESSARY, WHERE CROSSING THE EXISTING PIPE TO PREVENT PIPE DAMAGE AND TO MAINTAIN EXCAVATION SUPPORT.
- 9. BEDDING AND BACKFILL SHALL CONFORM TO CITY OF COLUMBUS CMS ITEM 901 PIPE SEWERS COMPLETE IN PLACE.

- 10. CONTRACTOR TO SUBMIT SANITARY BYPASS PLAN TO THE OWNER PRIOR TO INSTALLATION OF ACCESS BYPASS PUMP PITS.
- 11. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY BULKHEAD WEIR AND SUPPORTS, TO ALLOW FOR SEWAGE FLOWS EXCEEDING THE BYPASS PUMPING CAPACITY TO OVERFLOW THE WEIR AND FLOW THRU THE PIPE BEING REHABILITATED. THE MINIMUM HEIGHT OF THE TEMPORARY BULKHEAD WEIR (FROM PIPE INVERT) SHALL BE 5 FEET AND A MAXIMUM HEIGHT OF 9 FEET, TO BE SELECTED BY THE CONTRACTOR BASED ON BYPASS PUMP SELECTION AND SUCTION HEAD.
- 12. EXISTING 100-YEAR FLOOD ELEVATION IS 733.60 AT BYPASS PIT #1 SITE. THE EXISTING 102" SEWER WILL EXPERIENCE SURCHARGES THAT REACH ELEVATION 733.84 WITHIN BYPASS PIT #1. CONTRACTOR IS RESPONSIBLE FOR ELEVATING AND/OR PROTECTING THE BYPASS PUMPING SYSTEM FROM BOTH THE 100-YEAR FLOODWATERS AND SEWER SURCHARGING.
- 13. CONTRACTOR SHALL SUBMIT A PIPING RECONSTRUCTION PLAN FOR REVIEW AND APPROVAL. CONTRACTOR MAY USE EXISTING TOP HALF PORTIONS OF THE 102" PIPE IF APPROVED BY THE CMT. SAID PIPE MUST BE STRUCTURALLY INTACT FOR SUCH USE. FOR ACCESS PIT #2, THE RE-USED PIPE MUST ALSO BE SHOTCRETE LINED TO MATCH THE REST OF THE REHABILITATED PIPE. ALTERNATIVELY, THE CONTRACTOR MAY USE NEW 102" RCP CUT IN HALF TO RECONSTRUCT THE 102" PIPING AT THE ACCESS PIT LOCATIONS. SUBMITTAL SHALL INCLUDE CONNECTION DETAILS WITH DOWELING, WATERTIGHT SEALS, JOINT ENCASEMENT TO 1 FOOT ABOVE THE EXTERIOR OF THE CROWN OF THE PIPE, AND BACKFILL TO THE SURFACE AT A MINIMUM.

		EASE	EMENT RE	FERENCE		REVISIONS			PROJECT TITLE:					COLUMBUS PUBLIC UTILITIES
CITY	NO.	COUNTY RE	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		ALUM CREEK TRUNK SOUT SANITARY SEWER REHABILITATION	H (ACT-S)	· 1		ISION OF SEWER	RAGE AND DRAINAGE
CITT	NO.	VOL.	PAGE	GNARTON					CIP NO. 650725-10		•			OF WATER I USE ONLY
								BYPASS ACCESS PIT	CITY OF COLUMBUS		OWNER			
								DETAILS			ITRACTOR		ISSUED STA	ATUS: BID
											SPECTOR	SCALE:		SHEET: 28 OF 70
										AGREEMEN'			RACT DRAWING NO.	RECORD PLAN NO.
										_	CLD CON.		C-18773	RECORD PLAN NO.
										INDEX DETAIL	RECORD FILE			

EASEMENT REFERENCE



 THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.

29

70

- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. THE EXISTING AEP TRANSMISSION LINES ADJACENT TO BYPASS ACCESS PIT #1 HAVE BEEN PREVIOUSLY ABANDONED. NEW CONDUCTORS MUST BE INSTALLED FOR BYPASSING OPERATIONS. ACTIVE THREE PHASE PRIMARY CONDUCTORS ARE AVAILABLE APPROXIMATELY 200—FT NORTH OF THE POLE DIRECTED FOR USE. THE CONTRACTOR SHALL COORDINATE WITH AEP TRANSMISSION TO RECONDUCTOR AND SET NEW POLES ADJACENT TO BYPASS ACCESS PIT #1 FOR PROJECT USE. THE CONTRACTOR SHALL COORDINATE WITH AEP TRANSMISSION FOR POWER DEMANDS AND TO FACILITATE CONNECTIONS TO THE DROP VIA METER.
- 4. LOCATION OF OHE IS APPROXIMATE AND HAS NOT BEEN SURVEYED.
- 5. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.

25-FT WIDE (MAX) ACCESS ROUTE

					STATION	
				(COORDINATES	S
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT
				0+81.63	1+15.97	1+50.31
1	68.68'	75'	52°28'09.02"	N 695971.79	N 695947.69	N 695910.79
				E 1850447.50	E 1850475.53	E 1850473.50

0 30 60
SCALE IN FEET

	CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
L	CITT NO.	VOL.	PAGE	GRANTOR			

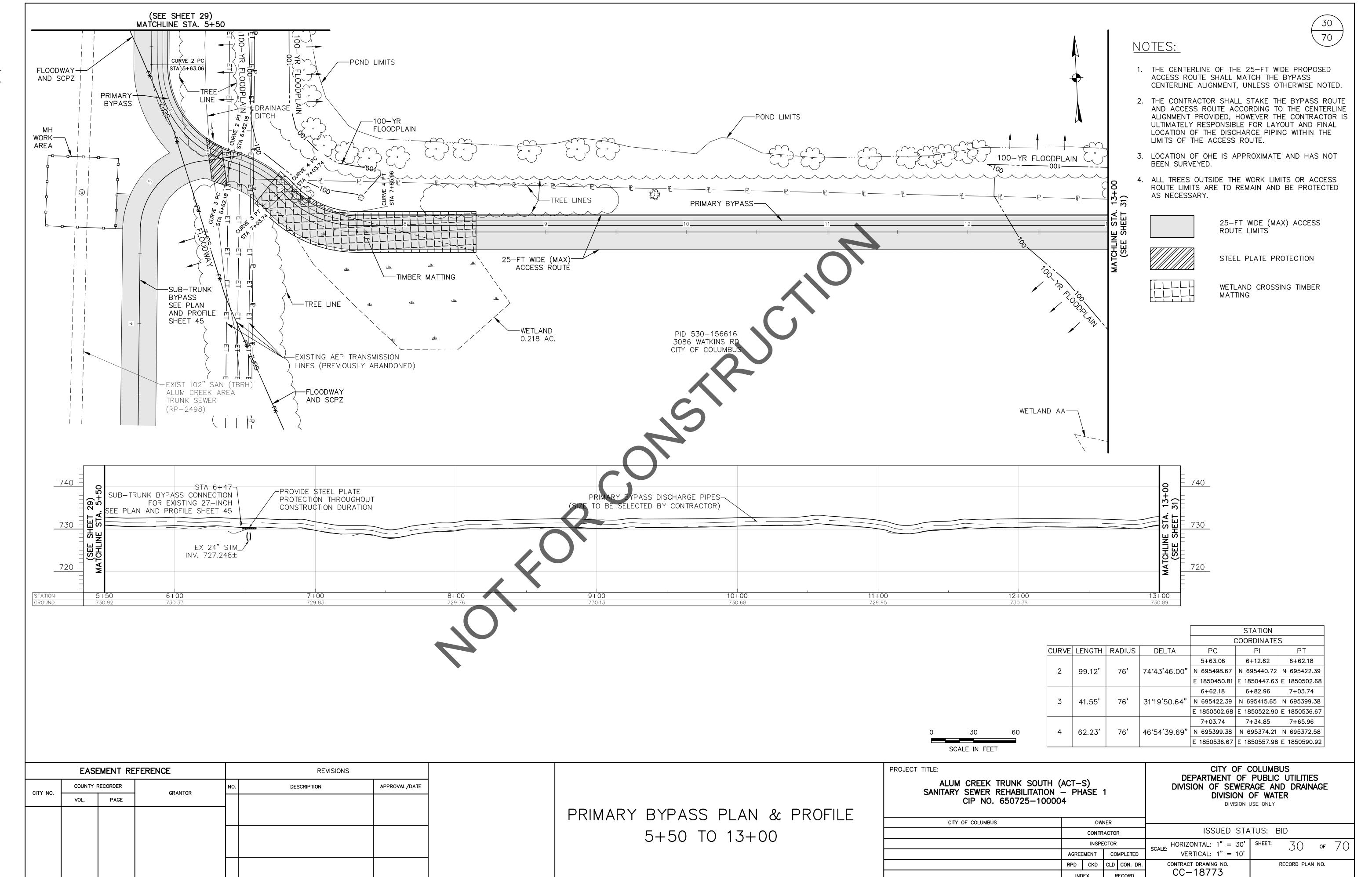
REVISIONS

PRIMARY BYPASS PLAN & PROFILE 0+00 TO 5+50

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	- PHASE 1
CITY OF COLUMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS		OW	NER						
		CONTR	RACTOR	₹	ISSUED ST	ATUS:	BID		
		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	29	OF	70
	AGREI	EMENT	CO	MPLETED	VERTICAL: 1" = 10'		20		, 0
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLAN	1 NO.	
	INI DE	DEX ΓAIL	R	ECORD FILE	CC-18773				



RECORD FILE



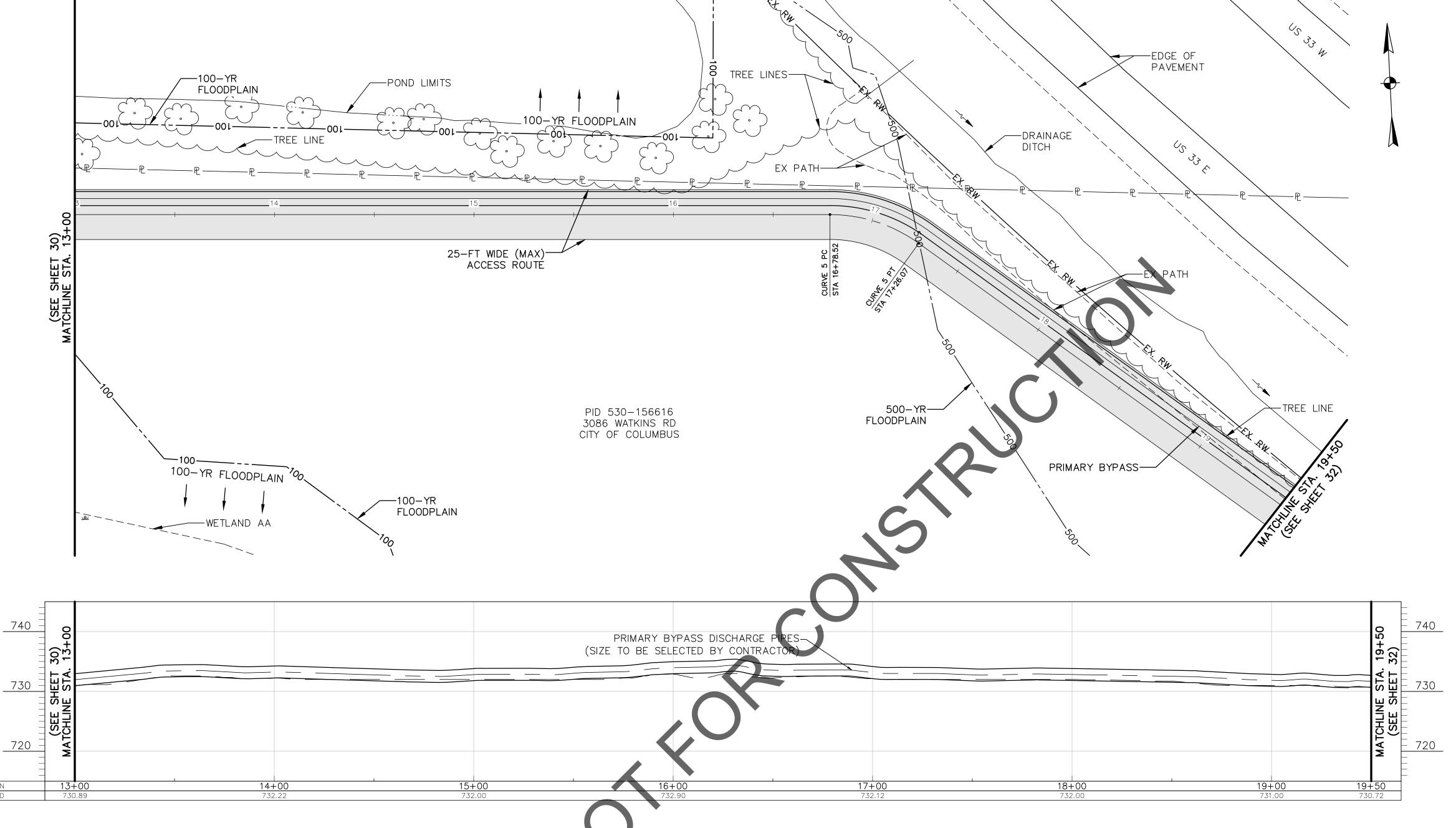
NOTES:

1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.

70

- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.

25-FT WIDE (MAX) ACCESS ROUTE LIMITS



					STATION	
					COORDINATES	S
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT
				16+78.52	17+02.30	17+26.07
5	47.55	76'	35°51'00.17"	N 695327.35	N 695326.13	N 695310.76
				E 1851502.35	E 1851526.90	E 1851546.09

30 SCALE IN FEET

	EASE	EMENT RE	EFERENCE		REVISIONS	
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITT NO.	VOL.	PAGE	GRANTOR			
						+

PRIMARY BYPASS PLAN & PROFILE 13+00 TO 19+50

ALUM	CREEK TRUNK SOUTH (ACT-S)	
SANITARY	SEWER REHABILITATION - PHASE 1	
	CIP NO. 650725-100004	

PROJECT TITLE:

CITY OF COLUMBUS		OW	NER						
		CONTR	RACTO	PR	ISSUED STA	TUS:	BID		
		INSP	CTOR	₹	SCALE: HORIZONTAL: 1" = 30'	SHEET:	.31	OF	70
	AGRE	EMENT	CC	OMPLETED	VERTICAL: 1" = 10'				, 0
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLAN	NO.	
		DEX TAIL	ı	RECORD FILE	CC-18773				

740

730

720

19+50 730.72

EASEMENT REFERENCE



NOTES:

-DRAINAGE

DITCH

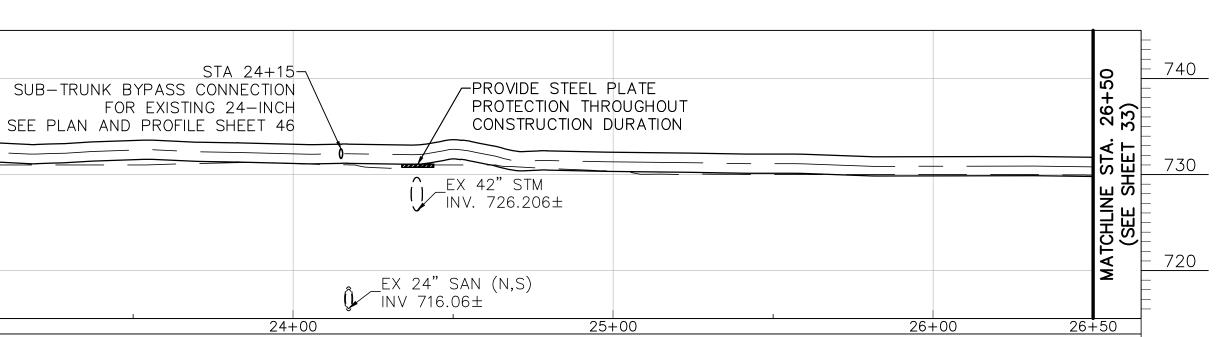
- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. CONTRACTOR TO INSTALL 6-FT TALL ULINE SAFETY FENCE MODEL 2-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL).

SOIL STOCKPILE AREA REFERENCE POINT DATA:

NORTHING EASTING
TSP1 694840.9673 1851766.9509
TSP2 694998.3176 1851890.4048
TSP3 694865.6360 1852040.0564
TSP4 694708.2857 1851916.6025

25-FT WIDE (MAX) ACCESS ROUTE LIMITS

STEEL PLATE PROTECTION



PROJECT TITLE:

___EXIST 24" SAN (TO BE BYPASSED)

(MM-1725)

CURVE 7 PTO

STA 24+44.84

EXIST MH-

TSP3-

SUB-TRUNK BYPASS-

PROFILE SHEET 46

MODIFIED CAT. 2 WETLAND

SEE PLAN AND

WETLAND CC

1.027 ACRES

(DND)

(NOT FOUND)

SUB-TRUNK FOR WINCHESTER SUBDIVISION

-EXIST 42" CMP

CULVERT (DND)

-DRAINAGE

TREE LINE

DITCH

100-YR FLOODPLAIN

TREE LINES-

PRIMARY BYPASS-

EX PATH-

STATION COORDINATES CURVE LENGTH | RADIUS | DELTA PC 20+08.41 20+10.32 20+06.62 3.81' 76' 2°52'08.34" N 695135.45 N 695134.26 N 695133.00 E 1851764.98 | E 1851766.46 | E 1851767.89 24+34.08 24+39.46 24+44.84 10.76 200' 3°04'57.48" | N 694851.87 | N 694848.30 | N 694844.52 E 1852084.97 E 1852089.00 E 1852092.82

CITY NO.	COUNTY	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITT NO.	VOL.	PAGE	GNANTON			
]		
				<u> </u>		
				'		

-EDGE OF PAVEMENT

FLOODPLAIN

PR 25-FT WIDE (MAX)— ACCESS ROUTE

TOPSOIL STOCKPILE AREA

(200'x200')

EXIST 24" SAN

SUB-TRUNK FOR WINC

-6-FT TALL SAFETY FENCE

(SEE NOTE 4)

∕-TSP1

PRIMARY BYPASS DISCHA

(SIZE TO BE SELECTED BY CO

500-YR-

FLOODPLAIN

US 33 E

PID 530-156616 3086 WATKINS RD CITY OF COLUMBUS

TREE LINE-

PRIMARY BYPASS-

FLOODPLAIN

REVISIONS

DRAINAGE-

= - - EX. RW - - - - - EX. RW---

CURVE 6 PC | CURVE 6 PT | STA 20+06.62 | STA 20+10.32

DITCH

OII 110. 000720 100001	ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004
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CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

SCALE IN FEET

CITY OF COLUMBUS	OWNER								
511, 51 5355m255	CONTRACTOR			R	ISSUED STATUS: BID				
		INSPE	INSPECTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	32	OF	70
	AGREE	AGREEMENT		MPLETED	VERTICAL: 1" = 10'				
	RPD	RPD CKD		CON. DR.	CONTRACT DRAWING NO.		RECORD PLAI	NO.	
	IND DET		R	RECORD FILE	CC-18773				

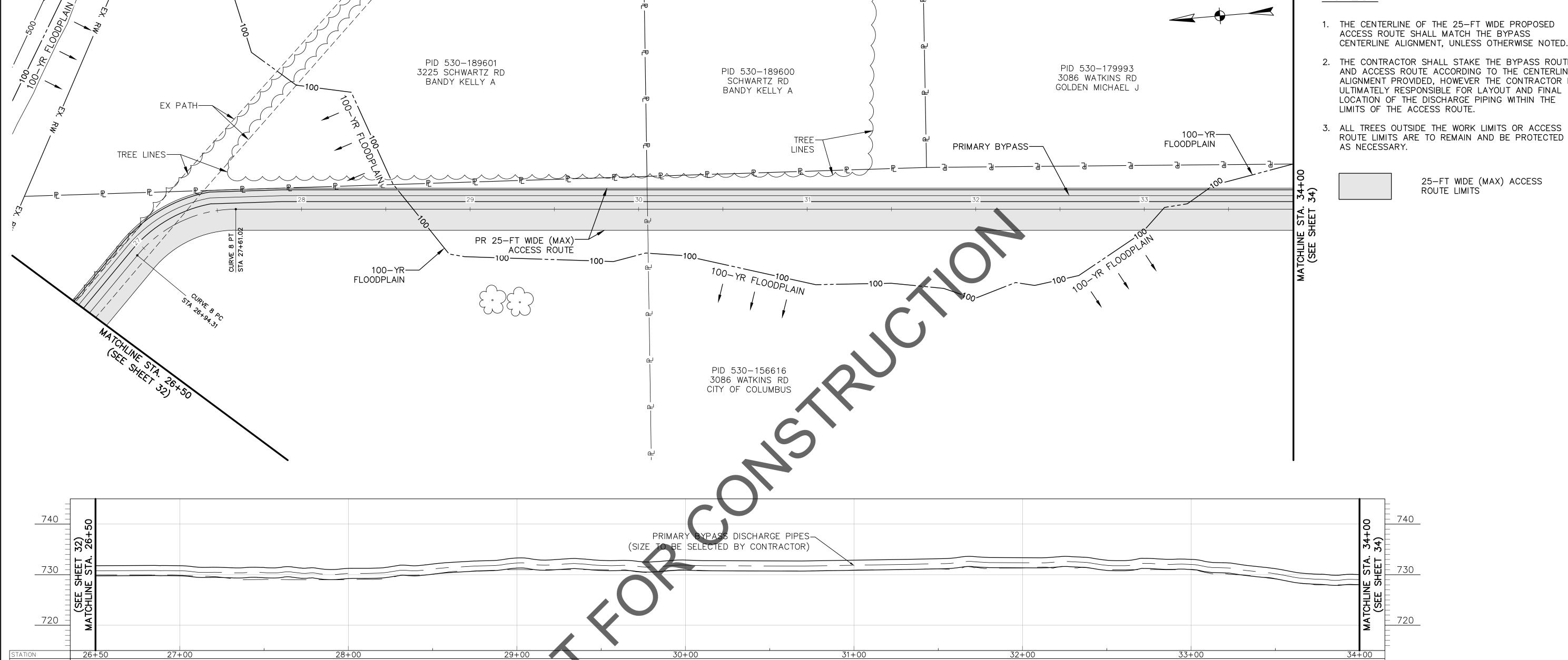
—500—YR FLOODPLAIN





- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED

25-FT WIDE (MAX) ACCESS



					STATION					
				COORDINATES						
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT				
				26+94.31	27+27.66	27+61.02				
8	66.70' 76' 50'	50 ° 17'07.10"	N 694669.22	N 694644.15	N 694608.61					
				E 1852270.33	E 1852295.71	E 1852292.64				

SCALE IN FEET

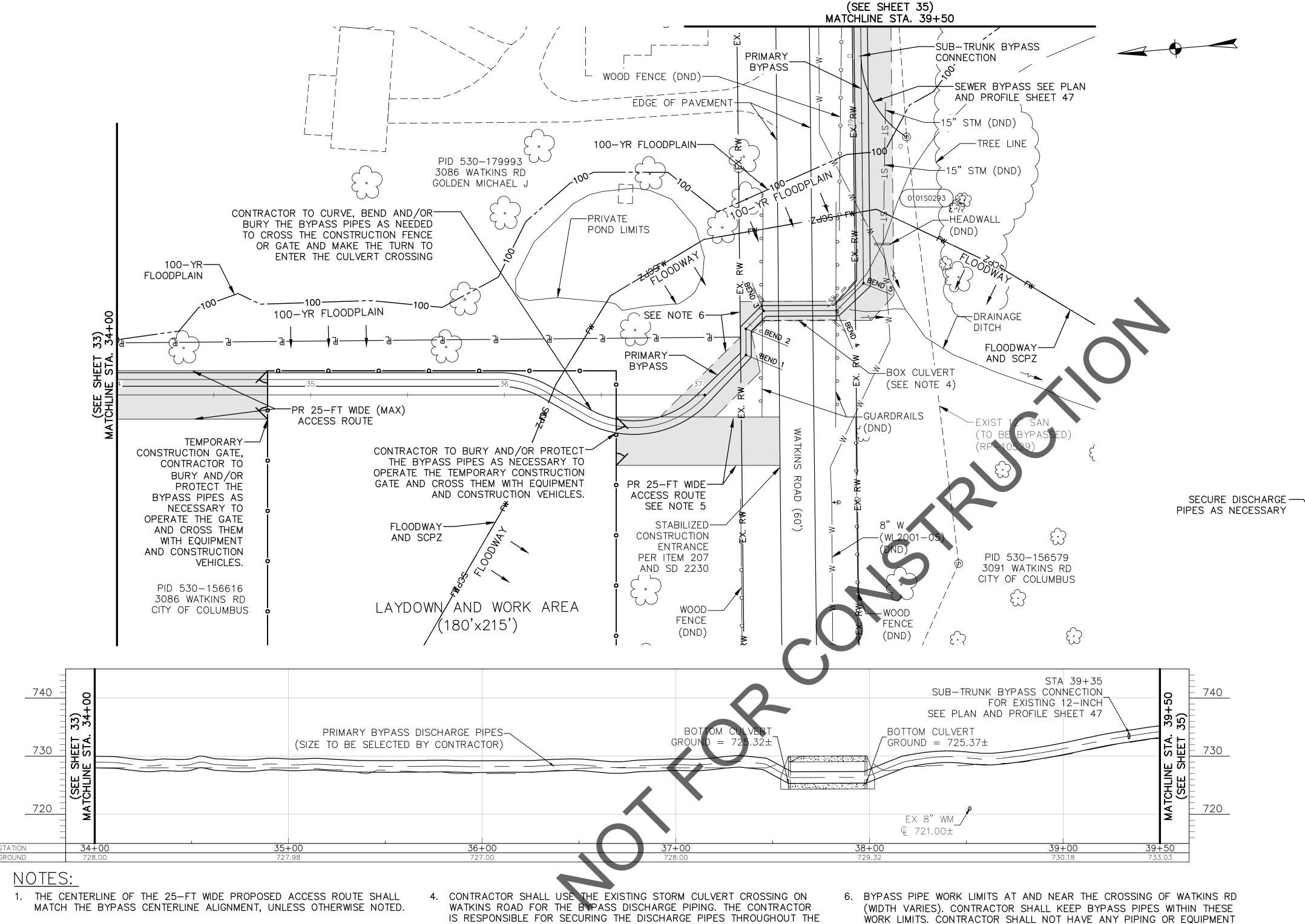
	EASE	EMENT RE	FERENCE	REVISIONS					
COUNTY R		RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			
CIT NO.	VOL. PAGE		GRANTOR						
				_					

PRIMARY BYPASS PLAN & PROFILE 26+50 TO 34+00

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION CIP NO. 650725-10000	- PHASE 1
CITY OF COLUMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS		OW	NER						
		CONTR	ACTO	R	ISSUED STA	TUS:	BID		
		INSPE	ECTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	.3.3	OF	70
	AGREE	AGREEMENT		MPLETED	VERTICAL: 1" = 10'				, 0
	RPD	RPD CKD		CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
	IND DET		RECORD FILE		CC-18773				

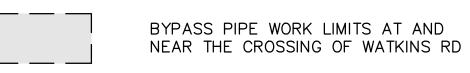


- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO 5. CONTRACTOR SHALL USE THE EXISTING FIELD ENTRANCE BETWEEN THE REMAIN AND BE PROTECTED AS NECESSARY.

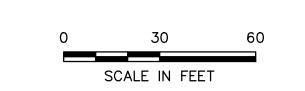
EASEMENT REFERENCE

- DURATION OF THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ANCHOR THE DISCHARGE PIPING TO THE EXISTING CULVERT WALLS AND TOP SLAB. CONTRACTOR SHOULD INCLUDE ALL COSTS NECESSARY TO PERFORM THE WORK UNDER ITEM SS-3 - BYPASS PUMPING / FLOW CONTROL.
- GUARDRAIL AND FENCE FOR ACCESS TO THE PROPOSED 25-FT WIDE PATH NORTH OF WATKINS ROAD.

ON PRIVATE PROPERTY AT ANY TIME. PIPING MAY NEED TO BE STACKED IN ORDER TO REMAIN WITHIN THE WATKINS RD RIGHT-OF-WAY.



25-FT WIDE (MAX) ACCESS ROUTE LIMITS



PROJECT

€ WATKINS ROAD

EXISTING STORM BOX

CULVERT (DND) SEE OPENING BELOW

-EXISTING STORM BOX

CULVERT (DND)

PROPOSED BYPASS PIPES COORDINATES | BEND | NOMINAL | DIRECTION | DEFLECTION | STATION | NORTHING | EASTING LEFT | 45°00'00.00" | 37+33.39 | 693646.63 | 1852230.38 45° RIGHT 45°00'00.00" | 37+46.87 | 693645.53 | 1852243.82 45° RIGHT 45°00'00.33" | 37+59.98 | 693635.54 | 1852252.30 44°59'20.93" | 37+97.55 | 693598.09 | 1852249.25 | 45° LEFT

LEFT | 45°22'31.10" | 38+17.35 | 693583.00 | 1852262.06

70

- EXISTING WINGWALL

-PROPOSED

DISCHARGE

(SEE NOTE 4)

-EXISTING RCP

-EXISTING RIP

RAP (REMOVE

-EXISTING 18" RCP STORM PIPE (DND)

AND REPLACE

AS NECESSARY)

STORM PIPE

BYPASS

LINES

- PROPOSED BYPASS

DISCHARGE LINES

(SEE NOTE 4)

(DND)

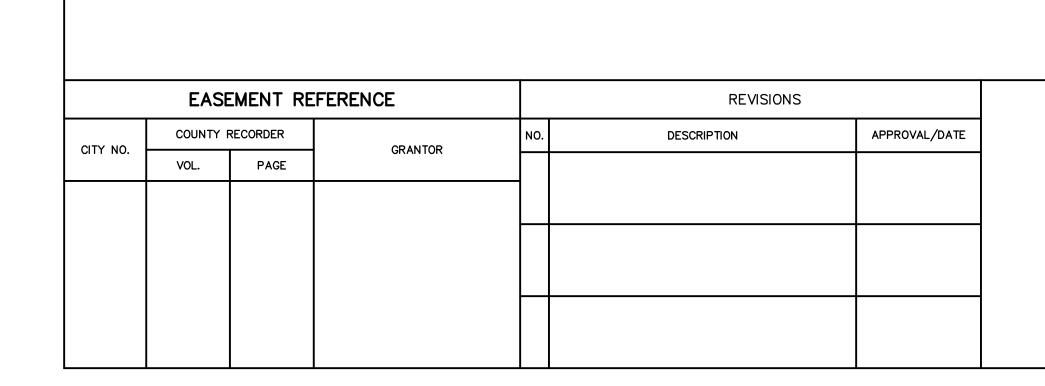
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITY NO.	VOL.	PAGE	GRANTOR			
				\vdash		

REVISIONS

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	- PHASE 1	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY
CITY OF COLUMBUS	OWNER	
5 5. 55 2 5 505		ISSUED STATUS: RID

CITY OF COLUMBUS		OW	NER						
		CONTR	ACTOF	₹	ISSUED STA	TUS: I	BID	OF AN NO.	
		INSPE	CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	34	OF	70
	AGREE	EMENT	CON	MPLETED	VERTICAL: 1" = 10'		0 1		, 0
	RPD	RPD CKD		CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
	IND DET			ECORD FILE	CC-18773				

45°



EXIST 12" SAN
(TO BE BYPASSED)

(RP-10529)

AD

TKINS

MATCHLINE STA. 39+50

(SEE SHEET 34)

8" W (WL2001-05)

PRIMARY BYPASS-

POWER POLE (DND)-

—₽———P—

PID 530-156579

3091 WATKINS RD

CITY OF COLUMBUS

-UTILITY POLE AND

OVERHEAD WIRE

(DND)

PRIMARY BYPASS DISCHARGE I

(SIZE TO BE SELECTED BY C

OVERHEAD TELEPHONE AND ELECTRIC (DND)

 \rightarrow PR 25-FT WIDE (MAX)

ACCESS ROUTE

-WOODEN FENCE

SEE NOTE 4

—SEE NOTE 5



-PRIMARY BYPASS

100-YR-

FLOODPLAIN

—HO—HO—HO—HO——

-DRAINAGE

DITCH

100-YR FLOODPLAIN

42+00 731.60

-PR 25-FT WIDE (MAX)

- HO - 19- − HO - − HO −

ACCESS ROU

VERHEAD WIRE

(DND)

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

PROJECT TITLE:

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT

COMPLETED

RPD

CKD

CKD

CLD

CON. DR.

CONTRACT DRAWING NO.

CC—18773

CC—18773

OWNER

ISSUED STATUS: BID

SCALE: HORIZONTAL: 1" = 30' SHEET: 35 OF 70

CONTRACT DRAWING NO.

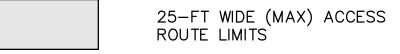
CC—18773

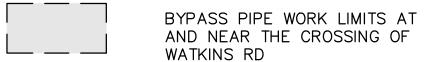
NOTES:

1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.

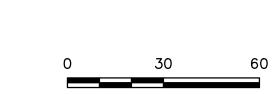
70

- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. THE CONTRACTOR SHALL REMOVE UP TO A MAXIMUM OF THIRTY—FIVE (35) LINEAR FEET OF EXISTING WOOD FENCE FOR THE PROPOSED ACCESS ROUTE. THE CONTRACTOR SHALL RESTORE THE FENCE TO EXISTING CONDITIONS FOLLOWING BYPASS OPERATIONS AND PRIOR TO SUBSTANTIAL COMPLETION.
- 5. BYPASS PIPE WORK LIMITS AT AND NEAR THE CROSSING OF WATKINS RD. CONTRACTOR SHALL KEEP BYPASS PIPES WITHIN THESE WORK LIMITS. CONTRACTOR SHALL NOT HAVE ANY PIPING OR EQUIPMENT ON PRIVATE PROPERTY AT ANY TIME.



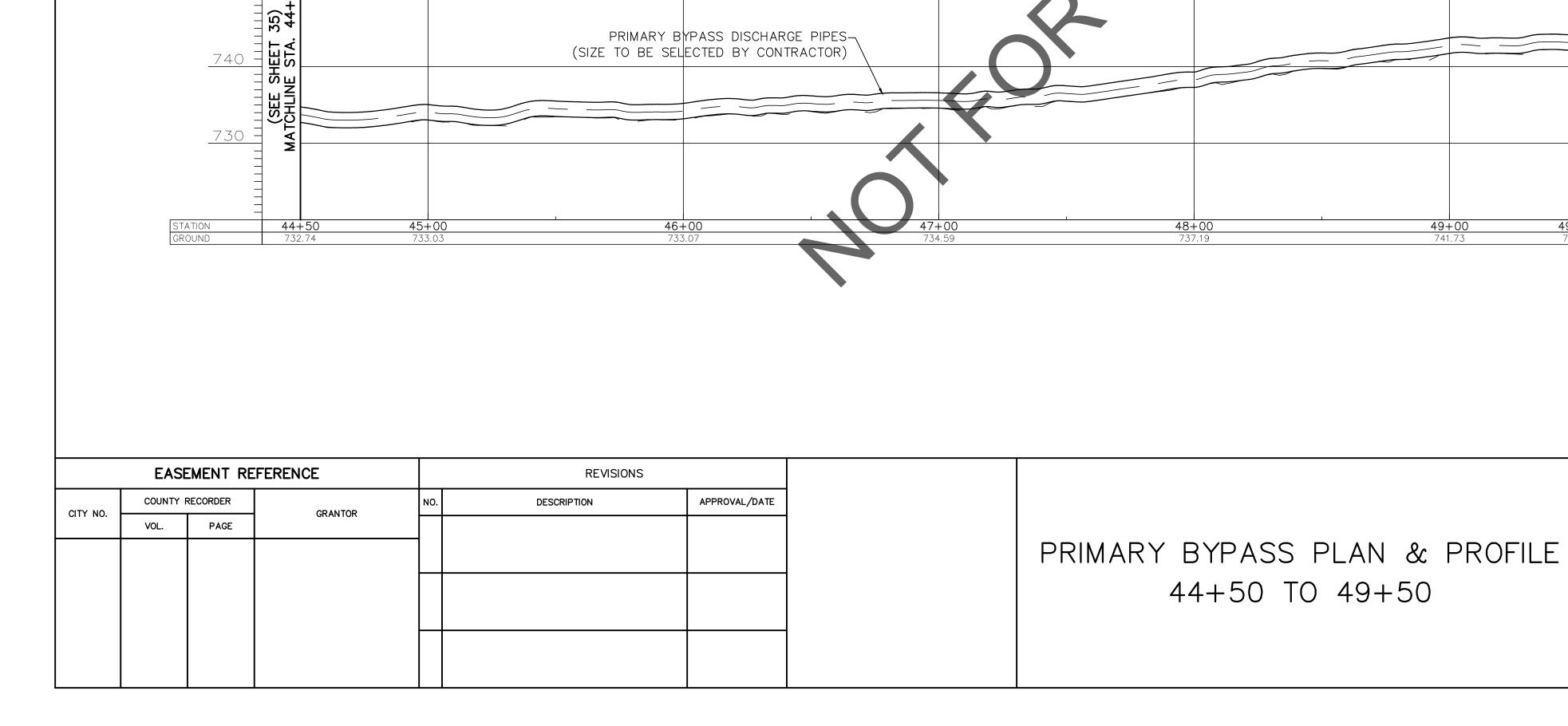


					STATION	
				(COORDINATES	S
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT
				39+54.34	40+02.85	40+51.37
9	97.03'	62.5'	88°57'05.23"	N 693572.75	N 693568.16	N 693506.89
				E 1852398.67	E 1852459.86	E 1852456.39



SCALE IN FEET

750 =



PR 25-FT WIDE (MAX)— ACCESS ROUTE

UTILITY POLE (DND)-

OVERHEAD WIRE (DND)

UTILITY POLE (DND)—

∕—500−YR FLOODPLAIN

THIS ENTIRE PLAN VIEW

IS OUTSIDE FLOODPLAIN

-PRIMARY BYPASS

44+50 TO 49+50

NOTES:

1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.

**** 70

- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.

25-FT WIDE (MAX) ACCESS ROUTE LIMITS

ECT TITLE:	
ALUM CREEK TRUNK SOUTH (ACT-S)] VIQ

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER DIVISION USE ONLY

SCALE IN FEET

CITY OF COLUMBUS		OWI	NER						
	CONTRACTOR			R	ISSUED STA	TUS:	ΓUS: BID		
		INSPE	INSPECTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	.36	OF	70
	AGRE	AGREEMENT		MPLETED	VERTICAL: 1" = 10'				,
	RPD	RPD CKD		CON. DR.	CONTRACT DRAWING NO.		RECORD PLAI	1 NO.	
		DEX ΓAIL	R	RECORD FILE	CC-18773				

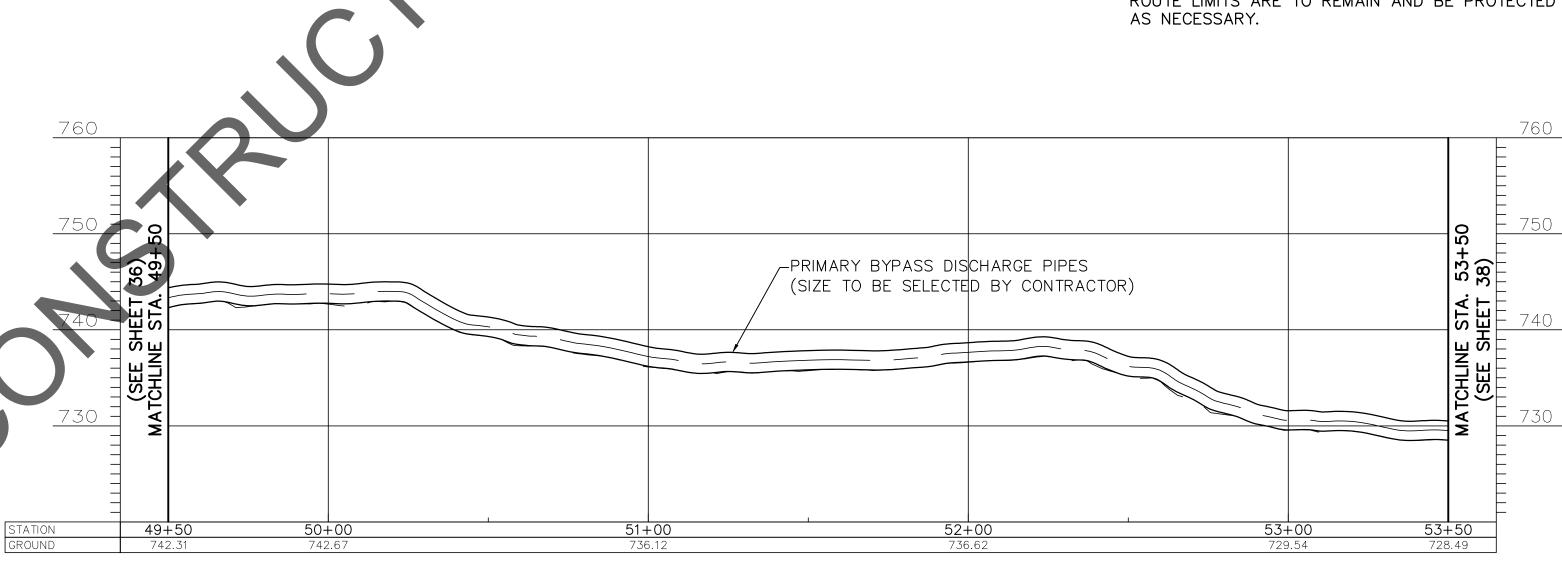
49+50 742.31

SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004



NOTES:

- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. NUMBERED TREES WITHIN THE ACCESS
 ROUTE/BYPASS ROUTE LIMITS INDICATE TREES 6" IN
 DIAMETER OR GREATER THAT ARE TO BE REMOVED
 AND REPLACED ON AN AS NEEDED BASIS.
 CONTRACTOR TO LEAVE AS MANY TREES
 UNDISTURBED AS POSSIBLE. SEE TREE REMOVAL &
 REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR
 COORDINATION.
- 4. TREES WITHIN THE ACCESS ROUTE/BYPASS ROUTE LIMITS THAT ARE NOT NUMBERED INDICATE TREES THAT ARE LESS THAN 6" IN DIAMETER AND ARE TO BE REMOVED ON AN AS NEEDED BASIS UNDER ITEM 201-CLEARING & GRUBBING. SEE TREE REMOVAL AND REPLACEMENT TABLE AND GUIDE ON SHEET 66 FOR COORDINATION.
- 5. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.



25-FT WIDE (MAX) ACCESS

ASPHALT PATH REPLACEMENT

ROUTE LIMITS

					STATION	
				(COORDINATES	S
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT
				49+75.70	50+00.24	50+24.78
10	49.09'	62.5'	45°00'00.00"	N 692584.04	N 692558.19	N 692540.95
				E 1852404.11	E 1852402.65	E 1852383.34
				51+21.19	51+55.28	51+89.36
11	60.80	62.5'	62°29'42.98"	N 692476.75	N 692451.49	N 692414.74
				E 1852311.42	E 1852283.13	E 1852292.47

0 30 60 SCALE IN FEET

	EASE	EMENT RE	FERENCE	REVISIONS					
CITY NO.	COUNTY F	RECORDER		NO.	DESCRIPTION	APPROVAL/DATE			
CITT NO.	VOL.	PAGE	GRANTOR						

—SEE NOTE 4

SHELTER/COVERED-

—OVERHEAD

-EDGE OF TRAIL

84" DIA. CEDAR TREET TO REMAIN AND TO

BE PROTECTED

MH WORK AREA-

TOP OF BANK-

500-YR-

FLOODPLAIN

EXIST 102" SAN-

FLOODWAY AND-

100-YR FLOODPLAIN

(TBRH) ALUM CREEK AREA TRUNK SEWER WIRE (DND)

---UTILITY POLE (DND)

-PR 25-FT WIDE (MAX)

ACCESS ROUTE

TREE LINE-

ALUM CREEK

500-YR-

-PRIMARY

BYPASS

100-YR-\

FLOODPLAIN

EXIST 102" SAN (TBRH) ALUM CREEK AREA TRUNK SEWER

FLOODPLAIN

SEE NOTE 3

ASPHALT BIKE-

PATH REPLACEMENT

- FLOODWAY, SCPZ AND-

20-FT WIDE MH WORK-

AREA ACCESS ROUTE

PRIMARY BYPASS PLAN & PROFILE 49+50 TO 53+50

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	- PHASE 1
CITY OF COLLIMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS		OW	NER						
	CONTRACTOR			₹	ISSUED STATUS: BID				
		INSPEC			SCALE: HORIZONTAL: 1" = 30'	SHEET:	37	OF	70
	AGREE	EMENT	COMPLETED		VERTICAL: 1" = 10'		<u> </u>		,
	RPD	RPD CKD (CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
				RECORD FILE	CC-18773				

NOTES:

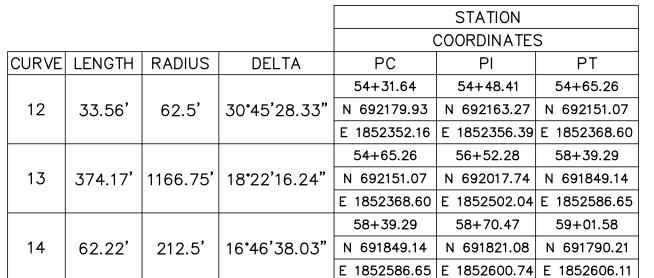
- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. ANY BYPASS PIPES CROSSING THE EXISTING TRAIL SHALL BE BURIED BENEATH THE EXISTING TRAIL THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE THE TRAIL PER THE DETAIL ON SHEET 4 WITHIN THE TRENCH LIMITS. NOTE THAT THE TRAIL WILL BE REQUIRED TO BE REPLACED AT TWO (2) SEPARATE TIMES; UPON BURIAL OF THE BYPASS PIPES AND UPON REMOVAL OF THE BYPASS PIPES.
- 5. CONTRACTOR TO INSTALL 6-FT TALL ULINE SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) BETWEEN THE EXISTING ALUM CREEK AND THREE CREEKS METRO PARK TRAILS AND THE PROPOSED ACCESS ROUTE FROM STA 53+50 TO 86+11.



25-FT WIDE (MAX) ACCESS ROUTE LIMITS



ASPHALT PATH REPLACEMENT

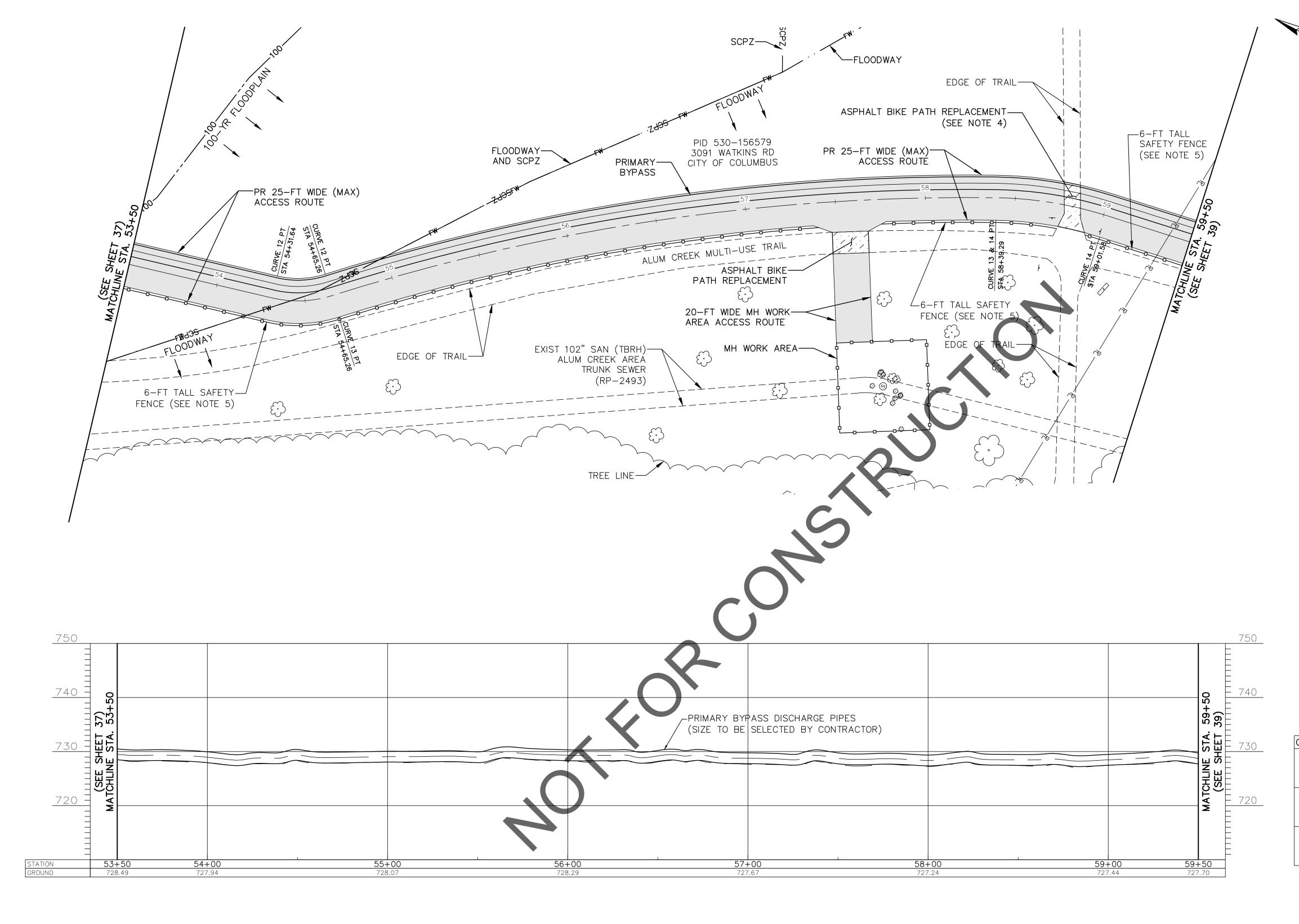


PROJECT TITLE: ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

SCALE IN FEET

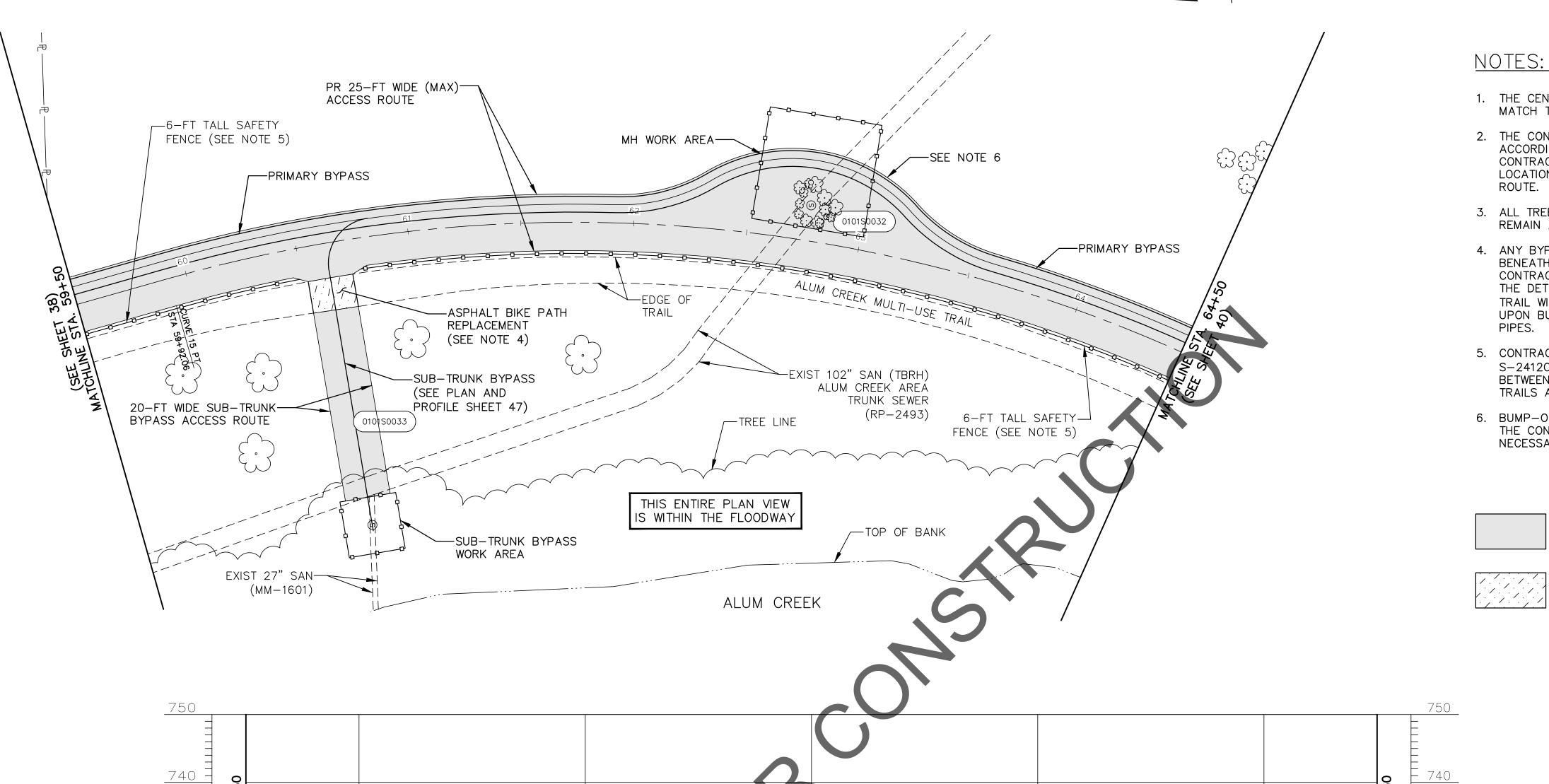
CITY OF COLUMBUS	OWNER								
	CONTRACTOR			₹	ISSUED STATUS: BID				
	INSPE		CTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	38	OF	70
	AGREE	MENT	COMPLETED		VERTICAL: 1" = 10'				,
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
		INDEX DETAIL		ECORD FILE	CC-18773				



EASEMENT REFERENCE REVISIONS COUNTY RECORDER APPROVAL/DATE DESCRIPTION GRANTOR CITY NO. PAGE VOL.

PRIMARY BYPASS PLAN & PROFILE 53+50 TO 59+50





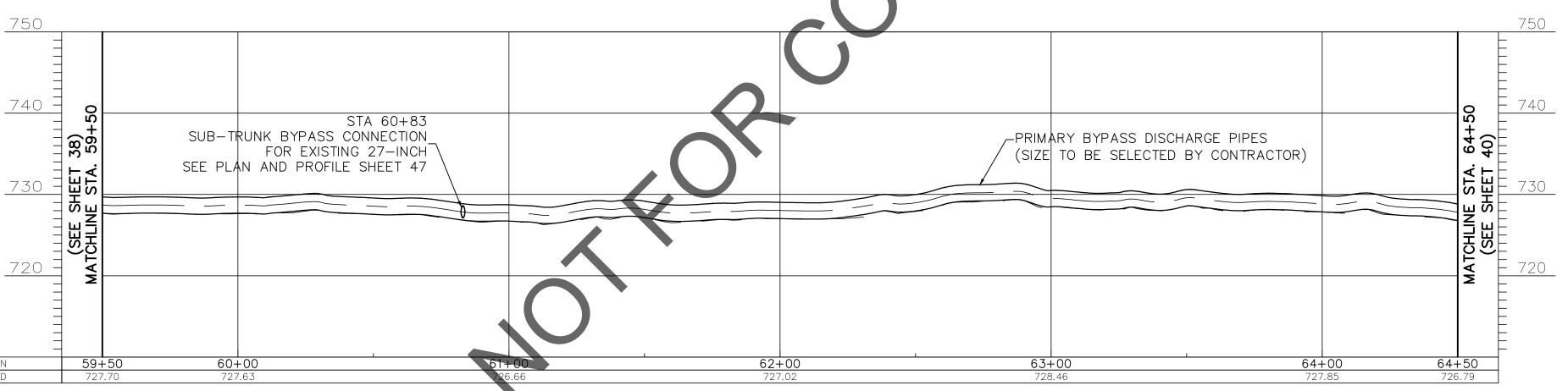
- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. ANY BYPASS PIPES CROSSING THE EXISTING TRAIL SHALL BE BURIED BENEATH THE EXISTING TRAIL THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE THE TRAIL PER THE DETAIL ON SHEET 4 WITHIN THE TRENCH LIMITS. NOTE THAT THE TRAIL WILL BE REQUIRED TO BE REPLACED AT TWO (2) SEPARATE TIMES; UPON BURIAL OF THE BYPASS PIPES AND UPON REMOVAL OF THE BYPASS
- 5. CONTRACTOR TO INSTALL 6-FT TALL ULINE SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) BETWEEN THE EXISTING ALUM CREEK AND THREE CREEKS METRO PARK TRAILS AND THE PROPOSED ACCESS ROUTE FROM STA 53+00 TO 86+11.
- 6. BUMP-OUT IN ACCESS ROUTE AT MH WORK AREA TO PROVIDE ROOM FOR THE CONTRACTOR TO CURVE THE BYPASS PIPING AROUND THE MH AS NECESSARY FOR CONSTRUCTION EQUIPMENT MANEUVERABILITY.

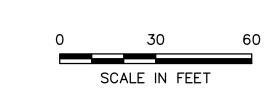


25-FT WIDE (MAX) ACCESS ROUTE



ASPHALT PATH REPLACEMENT





PROJECT TITLE:

				STATION					
				COORDINATES					
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT			
	473.88'			59+92.06	62+29.00	64+65.95			
15		657.5	41°17'42.47"	N 691701.06	N 691456.97	N 691245.54			
				E 1852621.63	E 1852664.11	E 1852534.95			

CITY OF COLUMBUS

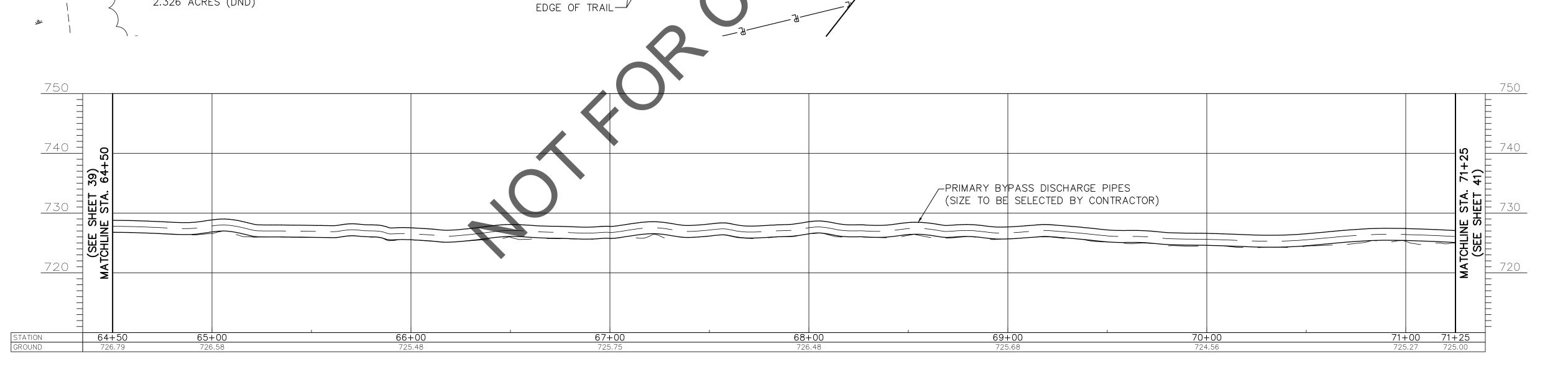
	EASE	MENT RE	FERENCE		REVISIONS				PROJECT TITLE:			CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES
CITY NO.	COUNTY RE	ECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			ALUM CREEK TRUNK SOU SANITARY SEWER REHABILITAT	TH (ACT-S)	1	DIVISION OF SEWERAGE AND DRAINAGE
OTT NO.	VOL.	PAGE	GRANTOR						CIP NO. 650725-1			DIVISION OF WATER DIVISION USE ONLY
								PRIMARY BYPASS PLAN & PROFILE				
			ļ.				4		CITY OF COLUMBUS	OV	VNER	
								59+50 TO 64+50		CONT	RACTOR	ISSUED STATUS: BID
								33130 10 01130		INSP	ECTOR	SCALE: HORIZONTAL: 1" = 30' SHEET: 39 OF 70
							4			AGREEMENT	COMPLETED	VERTICAL: 1" = 10'
										RPD CKD	CLD CON. DR.	CONTRACT DRAWING NO. RECORD PLAN NO.
										INDEX DETAIL	RECORD FILE	CC-18773

NOTES:

- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS ROUTE SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS ROUTE ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS ROUTE.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS ROUTE LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. CONTRACTOR TO INSTALL 6-FT TALL ULINE SAFETY FENCE MODEL S-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL) BETWEEN THE EXISTING ALUM CREEK AND THREE CREEKS METRO PARK TRAILS AND THE PROPOSED ACCESS ROUTE FROM STA 53+00 TO 86+11.

25-FT WIDE (MAX) ACCESS ROUTE LIMITS

					STATION				
				COORDINATES					
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT			
				59+92.06	62+29.00	64+65.95			
15	473.88	657.5	41°17'42.47"	N 691701.06	N 691456.97	N 691245.54			
				E 1852621.63	E 1852664.11	E 1852534.95			
				66+13.14	66+92.17	67+71.21			
16	158.06	87.5	103°30'08.02"	N 691119.93	N 691025.21	N 690991.06			
				E 1852458.21	E 1852400.34	E 1852505.96			
				69+30.07	69+48.98	69+67.89			
17	37.82	62.5	34°40'23.86"	N 690942.18	N 690936.18	N 690941.80			
				E 1852657.11	E 1852675.68	E 1852694.36			
				70+37.11	70+76.79	71+16.47			
18	79.36'	62.5	72°45'11.11"	N 690961.76	N 690975.03	N 690936.86			
				E 1852760.63	E 1852804.72	E 1852830.47			



PR 25-FT WIDE (MAX)-

ACCESS ROUTÉ

	CITY NO. COUNTY RECORDER VOL. PAGE GRANTOR				REVISIONS				
CITY NO	COUNTY F	RECORDER		NO.	DESCRIPTION	APPROVAL/DATE			
CITI NO.	VOL.	PAGE	GRANTOR						

- WETLAND S

CAT. 2 WETLAND 2.326 ACRES (DND)

(SEE SHEET 39)
MATCHLINE STA. 64+50

-PR 25-FT WIDE (MAX)

THIS ENTIRE PLAN VIEW IS WITHIN THE FLOODWAY

-PRIMARY BYPASS

ACCESS ROUTE

---6-FT TALL SAFETY FENCE (SEE NOTE 4)

─ALUM CREEK
TOP OF BANK

6-FT TALL SAFETY

FENCE (SEE NOTE 4)

TREE LINE-

PRIMARY BYPASS PLAN & PROFILE 64+50 TO 71+25

PROJECT TITLE:	
	CREEK TRUNK SOUTH (ACT-S) SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

SCALE IN FEET

RECORD PLAN NO.

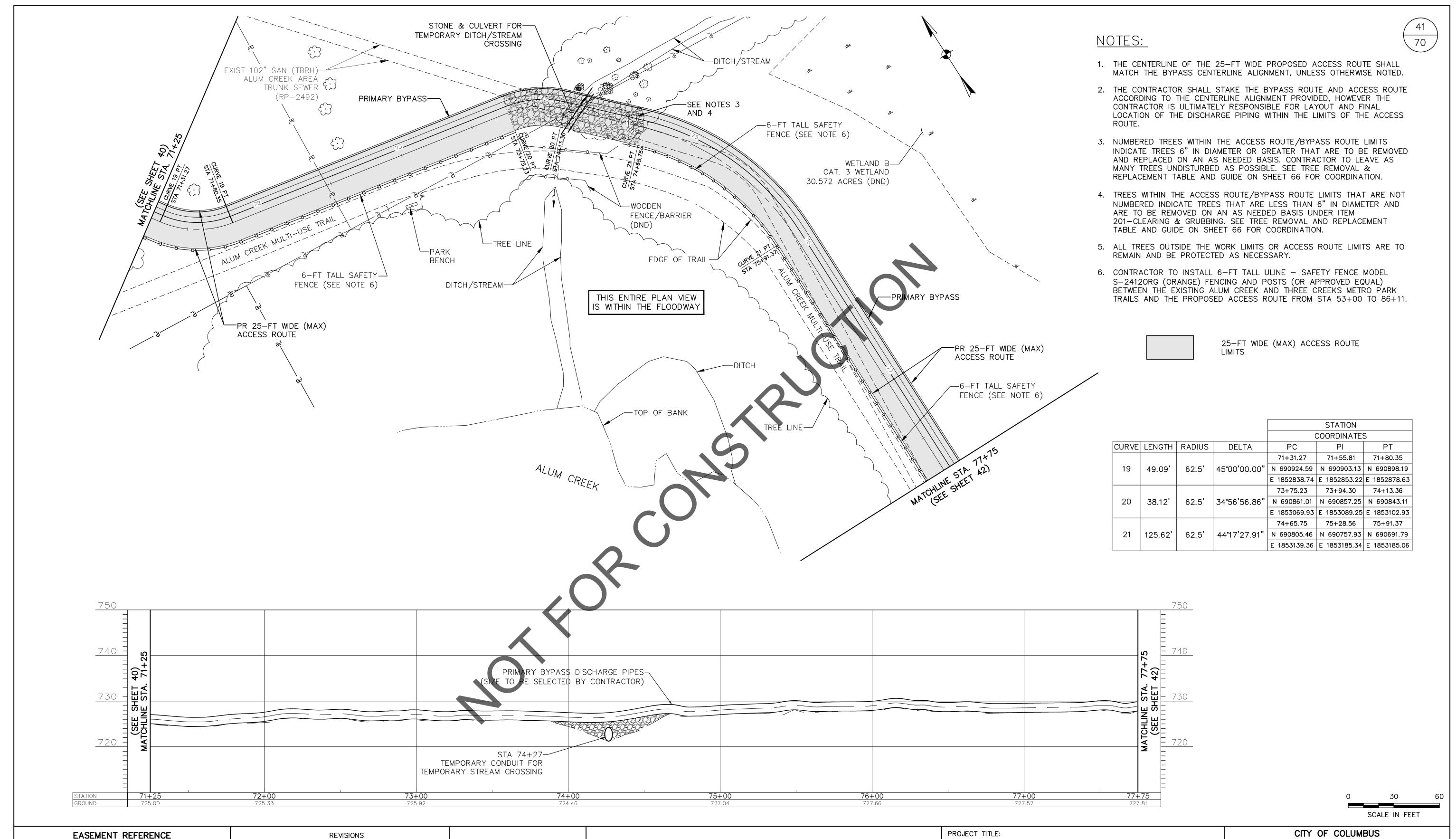
OF COLUMBUS	OWI	NER							
	CONTR	ACTOR		ISS	SUED STA	TUS: B	ID		
	INSPE	CTOR	22115	HORIZONTAL:	1" = 30'	SHEET:	40	OF	7
	AGREEMENT	COMPLETED	SCALE:	VERTICAL:	1" = 10'		40	σ.	/

CC-18773

RPD CKD CLD CON. DR.

RECORD FILE

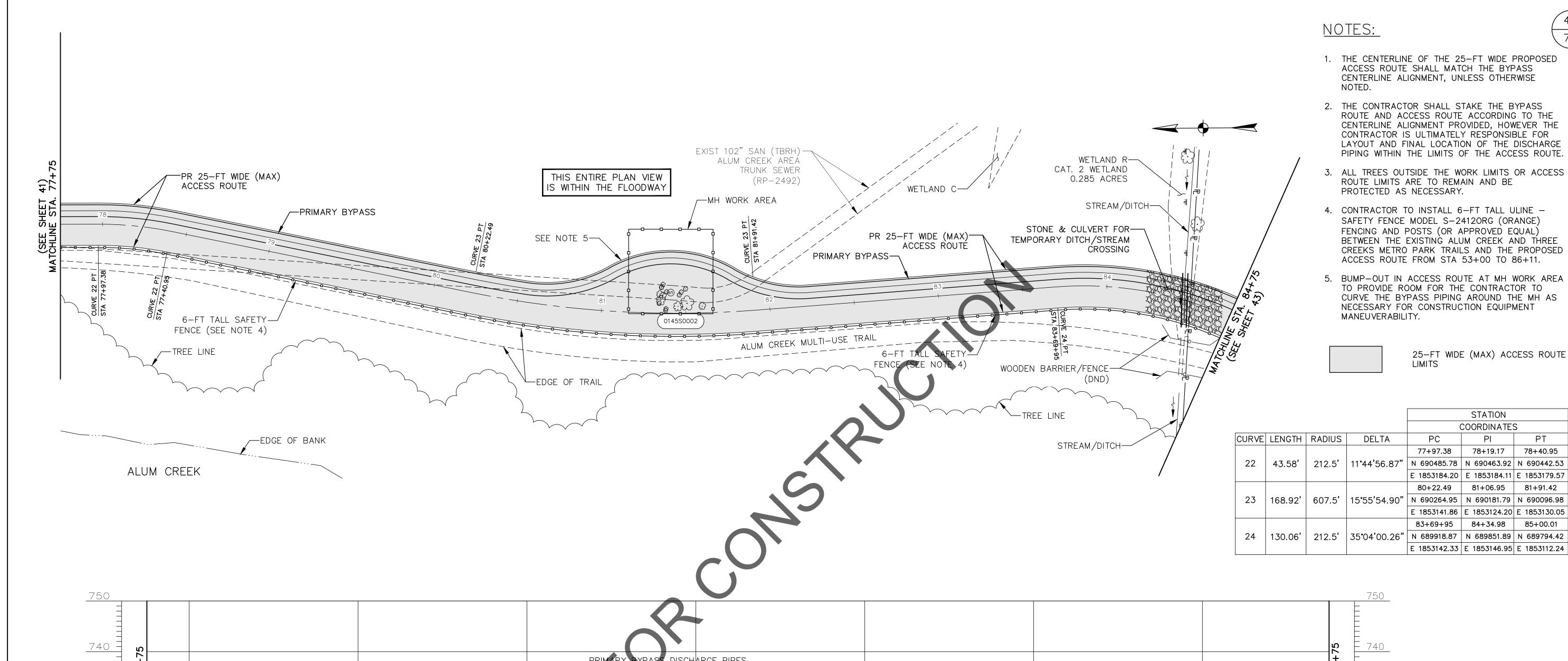
70



PRIMARY BYPASS PLAN & PROFILE 71+25 TO 77+75

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1
CIP NO. 650725-100004

CITY OF COLUMBUS		OW	NER						
	CONTRACTO			२	ISSUED STATUS: BID				
		INSPEC			SCALE: HORIZONTAL: 1" = 30'	SHEET:	41	OF	70
	AGREE	AGREEMENT		MPLETED	VERTICAL: 1" = 10'				,)
	RPD	RPD CKD (CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
		INDEX DETAIL		ECORD FILE	CC-18773				



42

70

STATION COORDINATES

PΙ

PΤ

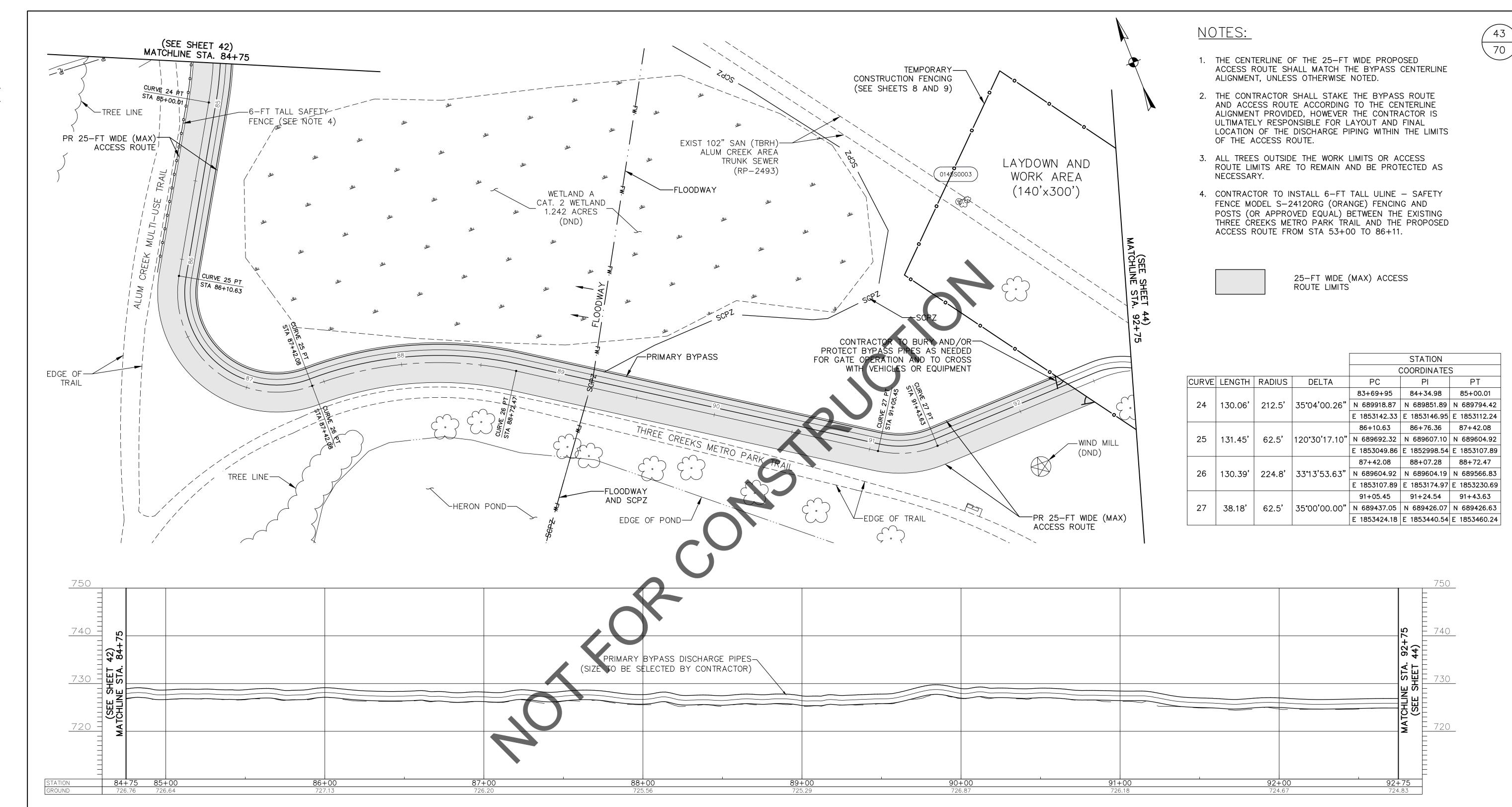
78+19.17 78+40.95

81+06.95 81+91.42

PC

730 = STA							E STA
(SEE SI (AATCHLINE							MATCHLINI (SEE
X					TEN	STA 84+53 TEMPORARY CONDUIT FOR MPORARY STREAM CROSSING	Σ .
-	79+00	80+00	81+00	82+00	83+00	84+00	84+75 726.76
OUND 727.81 727.27	727.95	726.81	726.96	726.65	726.82	726.72	726.76

	EASEMENT REFERENCE		FERENCE	REVISIONS			PROJECT TITLE:		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES		
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO. DESCRIPTION	APPROVAL/DATE		ALUM CREEK TRUI SANITARY SEWER REHA	NK SOUTH (ACT—S) ARII ITATION — PHASE	1	DIVISION OF SEWERAGE AND DRAINAGE	
	VOL.	PAGE	SIVILITIES.					725-100004	•	DIVISION OF WATER DIVISION USE ONLY	
						PRIMARY BYPASS PLAN & PROFILE					
							CITY OF COLUMBUS	O	WNER	LOCUED OTATUO DID	
						77+75 TO 84+75		CONT	TRACTOR	ISSUED STATUS: BID	
						//1/3 10 011/3		INSF	PECTOR	$\frac{1}{1}$ Scale: HORIZONTAL: 1" = 30' SHEET: 42 of 70	
			L					AGREEMENT	COMPLETED	VERTICAL: 1" = 10'	
								RPD CKD	CLD CON. DR.	. CONTRACT DRAWING NO. RECORD PLAN NO.	
								INDEX DETAIL	RECORD	CC-18773	



	EASE	EMENT RE	FERENCE	REVISIONS			
OLTY NO	COUNTY F	RECORDER	CRANTOR	RANTOR NO.	DESCRIPTION	APPROVAL/DATE	
CITY NO.	VOL.		GRANTOR				

PRIMARY BYPASS PLAN & PROFILE 84+75 TO 92+75

A 1 1 1 A	ODEEL TOUNIE	0011711 /407	· ~)
ALUM	CREEK TRUNK	SOUTH (ACT	- S)
SANITARY S	SEWER REHABI	ILITATION – F	PHASE 1
(CIP NO. 65072	25-100004	

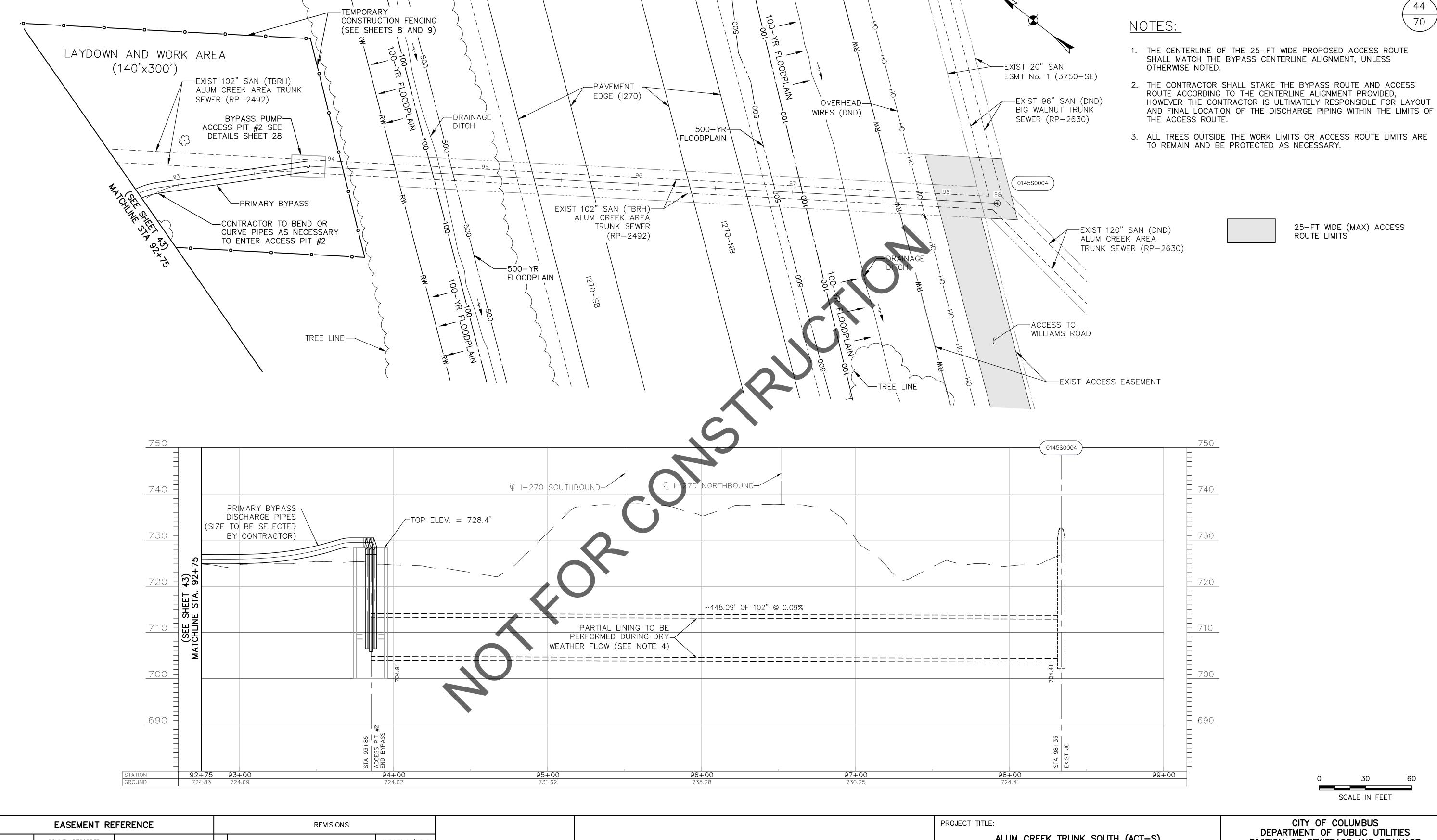
PROJECT TITLE:

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER

DIVISION USE ONLY

DIVISION USE ONLY

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			R	ISSUED STATUS: BID				
	INSPE			!	SCALE: HORIZONTAL: 1" = 30'	SHEET:	4.3	OF	70
	AGRE	EMENT	COMPLETED		VERTICAL: 1" = 10'		10		, 0
	RPD CKD		CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
	INDEX DETAIL		RECORD FILE		CC-18773				



				1				
CITY NO.	COUNTY RECORDER		GRANTOR		DESCRIPTION	APPROVAL/DATE		
CITT NO.	VOL.	PAGE	GRANTOR					
3750-SE	2698	686	W.J. ROHR ET AL					
2020100— 20150077		_	K.G. BENNINGTON ET AL					

PRIMARY BYPASS PLAN & PROFILE 92+75 TO END

ALUM CREEK TRUNK SOUTH (ACT-	S)
SANITARY SEWER REHABILITATION - PH	IASE 1
CIP NO. 650725-100004	

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

DIVISION USE UNLY

CITY OF COLUMBUS	OWNER									
	CONTRACTOR			R	ISSUED STA	UED STATUS: BID				
	INSPECTOR				SCALE:	SHEET:	44	OF	70	
	AGREE	MENT	CO	MPLETED	SUALL.		' '		, 0	
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.				
	INDEX DETAIL		RECORD FILE		CC-18773					

TREE LINE -

70



WETLAND X-

FLOODWAY-

AND SCPZ

-PRIMARY BYPASS SEE SHEET 30

-STA 5+43 CONNECT TO

/PRIMARY BYPASS (STA 6+47)

MODIFIED CAT. 2 WETLAND

0100S0010

MH WORK LIMITS-

SEE PLAN AND PROFILE SHEET 19

PRIMARY BYPASS-

SEE SHEET 30

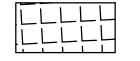
FLOODPLAIM

4.427 ACRES (DND)

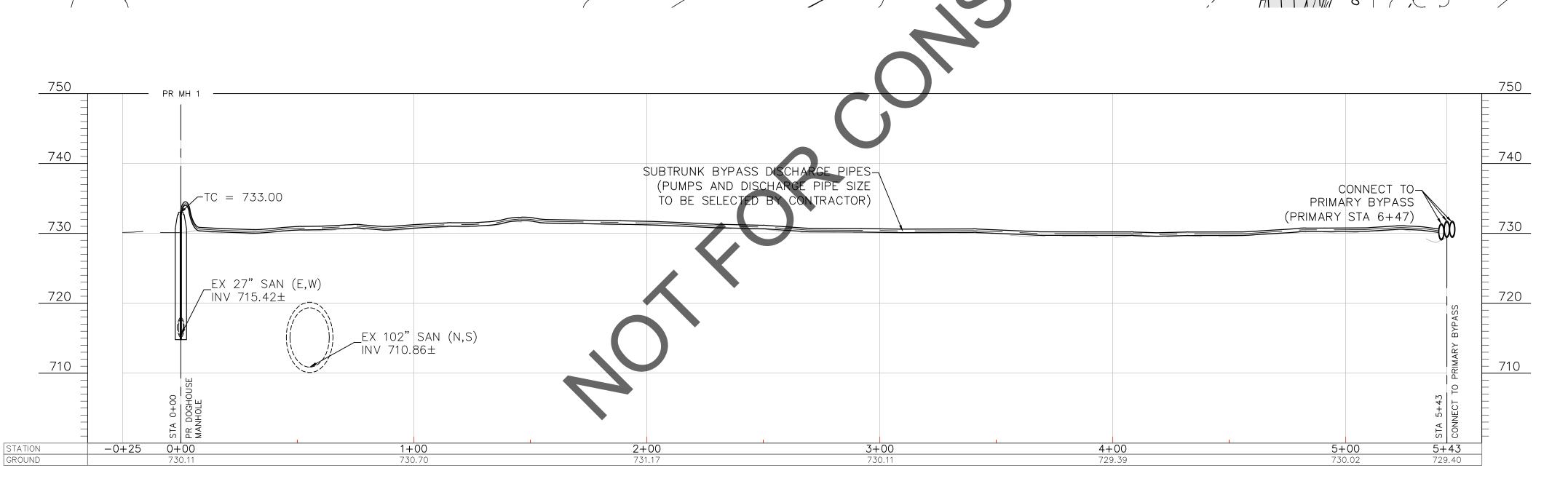
- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS PATH SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS PATH ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS PATH.
- 3. LOCATION OF OHE IS APPROXIMATE AND HAS NOT BEEN SURVEYED.
- 4. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS PATH LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.



25-FT WIDE ACCESS PATH STABILIZE AS NECESSARY



WETLAND CROSSING TIMBER MATTING



EXIST 102" SAN (TBRH)— ALUM CREEK AREA

TRUNK SEWER

(RP - 2498)

SUB-TRUNK BYPASS-

-DRAINAGE

DITCH

LINE

				STATION				
				(COORDINATES	S		
CURVE	LENGTH	RADIUS	DELTA	PC	PI	PT		
				0+13.93	0+23.17	0+32.40		
S1	18.48'	50'	21°10'33.20"	N 694951.13	N 694960.22	N 694967.92		
				E 1850344.19	E 1850346.35	E 1850351.65		
				1+35.04	1+48.60	1+62.16		
S2	27.11	50'	31°04'25.74"	N 695052.45	N 695063.90	N 695077.77		
				E 1850409.86	E 1850417.74	E 1850418.59		
				4+66.50	5+02.00	5+37.51		
S3	71.01'	50'	81°22'14.52"	N 695381.55	N 695424.46	N 695428.32		
				E 1850437.05	E 1850439.66	E 1850482.47		

SCALE IN FEET

	EASE	EMENT RE	FERENCE	REVISIONS			
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE	
CITI NO.	VOL.	PAGE	GRANTOR				

-EXIST 27" SAN (TO BE BYPASSED)

SUB-TRUNK WEST OF ALUM CREEK AND NORTH OF WATKINS ROAD

LEXISTING AEP TRANSMISSION

LINES (PREVIOUSLY ABANDONED)

(MM - 2132)

-STA 0+00

-MH WORK LIMITS

SEE PLAN AND

PROFILE SHEET 19

TREE LINE -

-TREE LINE

PROP DOGHOUSE MH PER DETAIL SHEET 6

SEE PLAN AND

PROFILE SHEET 19

SUBTRUNK BYPASS #1 PLAN AND PROFILE

SANITARY SEWER	TRUNK SOUTH (ACT-S) REHABILITATION — PHASE 1 0. 650725—100004

PROJECT TITLE:

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS OWNER ISSUED STATUS: BID CONTRACTOR SCALE: HORIZONTAL: 1" = 30' SHEET: 45 of 70 INSPECTOR VERTICAL: 1" = 10' COMPLETED AGREEMENT CC-18773 RPD CKD CLD CON. DR. RECORD PLAN NO.

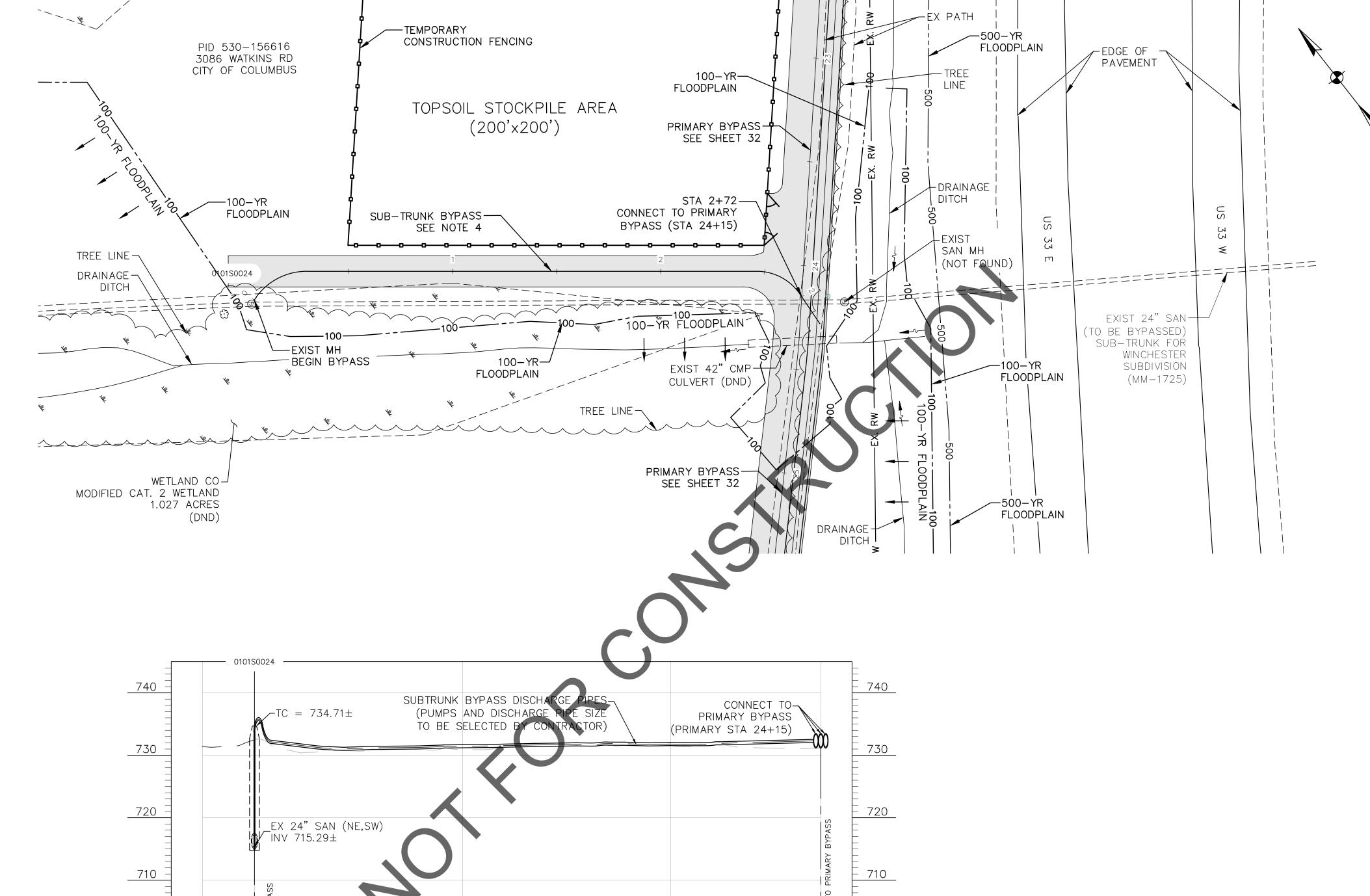
RECORD FILE



NOTES:

- 1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS PATH SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS PATH ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS PATH.
- 3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS PATH LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.
- 4. SUB-TRUNK BYPASS AS SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE ALIGNMENT LOCATION AND CONNECTION TO THE PRIMARY BYPASS DISCHARGE

25-FT WIDE ACCESS PATH STABILIZE AS NECESSARY



SCALE IN FEET

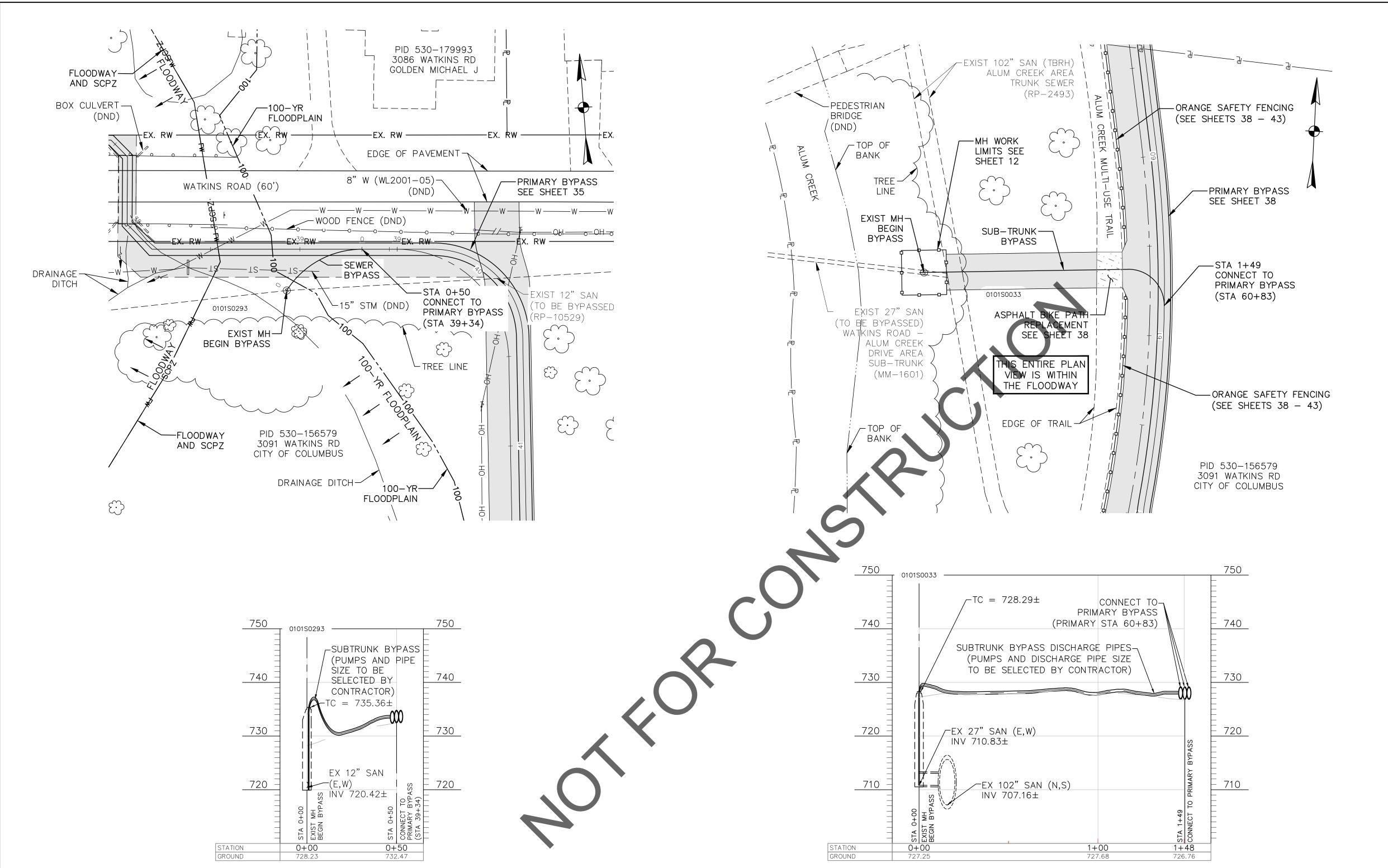
	EASE	EMENT RE	FERENCE	REVISIONS				
OLTY NO	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		
CITY NO.	VOL. PAGE		GRANTOR					

SUBTRUNK BYPASS #2 PLAN AND PROFILE

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	– PHASE 1
CITY OF COLUMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			R	ISSUED STATUS: BID				
	INSPECTO		ECTOR		SCALE: HORIZONTAL: 1" = 30'	SHEET:	46	OF	70
	AGREE	EMENT	COMPLETED		VERTICAL: 1" = 10'		10		,
	RPD CKD		CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLAN	NO.	
	INDEX DETAIL		RECORD FILE		CC-18773				



SUBTRUNK BYPASS #4 WATKINS ROAD — ALUM CREEK

DRIVE AREA SANITARY SEWER

O. COUNTY RECORDER ORANTOR NO. DESCRIPTION APPROVAL/DATE
VOL. PAGE
SUBTRUNK BYPASSES #3 AND #4
PLANS AND PROFILES

SUBTRUNK BYPASS #3 -

WATKINS ROAD SANITARY SEWER

REVISIONS

EASEMENT REFERENCE

COLO	TITEL.	
	ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004	

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

SCALE IN FEET

CITY OF COLUMBUS

CONTRACTOR

INSPECTOR

AGREEMENT

COMPLETED

RPD

CKD

CLD

CON. DR.

CONTRACT DRAWING NO.

CC—18773

CC—18773

CONTRACT DRAWING NO.

CC—18773

RECORD PLAN NO.

NOTES:

1. THE CENTERLINE OF THE 25-FT WIDE PROPOSED ACCESS PATH SHALL MATCH THE BYPASS CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL STAKE THE BYPASS ROUTE AND ACCESS PATH ACCORDING TO THE CENTERLINE ALIGNMENT PROVIDED, HOWEVER THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR LAYOUT AND FINAL LOCATION OF THE DISCHARGE PIPING WITHIN THE LIMITS OF THE ACCESS PATH.

70

3. ALL TREES OUTSIDE THE WORK LIMITS OR ACCESS PATH LIMITS ARE TO REMAIN AND BE PROTECTED AS NECESSARY.

4. SUB-TRUNK BYPASS AS SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE ALIGNMENT LOCATION AND CONNECTION TO THE PRIMARY BYPASS DISCHARGE

25-FT WIDE ACCESS PATH STABILIZE AS NECESSARY

ASPHALT PATH REPLACEMENT

EROSION AND SEDIMENT CONTROL NARRATIVE
ALL EROSION & SEDIMENT CONTROL PRACTICES ARE SUBJECT TO
FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF
COLUMBUS AND/OR THE OHIO EPA.

PLAN DESIGNER
DLZ OHIO
6121 HUNTLEY ROAD
COLUMBUS, OH 43229
PHONE: 614.888.0040
FAX: 614.848.6712

OWNER/DEVELOPER CITY OF COLUMBUS

DIVISION OF SEWERAGE & DRAINAGE NICK DOMENICK, P.E. 1250 FAIRWOOD AVENUE COLUMBUS, OH 43206 PHONE: 614.645.4693

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE INSTALLATION OF SHOTCRETE LINING WITHIN AN EXISTING 102" DIAMETER REINFORCED CONCRETE PIPE. IN ADDITION, THE PROJECT CONSISTS OF MANHOLE REHABILITATION AND A LARGE SCALE BYPASSING SYSTEM. LAYDOWN AND WORK AREAS WILL BE REQUIRED FOR CONSTRUCTION AND WILL DISTURB APPROXIMATELY 8.822 ACRES AS A RESULT OF CONSTRUCTION ACTIVITIES.

EXISTING SITE CONDITIONS

THE EXISTING SITE AREA FOLLOWS THE EXISTING ALUM CREEK TRUNK SEWER WITHIN THE FOLLOWING PARCEL ID'S:

- 530-274572-00: 50.75-ACRES MADE UP OF PRIMARILY OF PERVIOUS AREAS INCLUDING FARMLAND AND VEGETATED AREAS
 530-182791-00: 48.03-ACRES MADE UP OF PRIMARILY
- PERVIOUS AREAS INCLUDING PARKLAND AND GRASSLANDS

 530-156579-00: 363.30-ACRES MADE UP OF PRIMARILY PERVIOUS AREAS INCLUDING PARKLAND AND GRASSLANDS (ADJACENT TO ALUM CREEK)
- 530-156616-00: 59.63-ACRES MADE UP OF PRIMARILY PERVIOUS AREAS INCLUDING PARKLAND AND GRASSLANDS
- 010-111412-00: 53.92-ACREAS MADE UP PRIMARILY OF PERVIOUS AREAS INCLUDING PARKLAND AND GRASSLANDS (ADJACENT TO ALUM CREEK)

SITE DISTURBANCE

THE TOTAL PROJECT EARTH DISTURBANCE AREA IS 8.822 ACRES AND WILL CONSIST PRIMARILY OF STABILIZING THE WORK AREAS DURING CONSTRUCTION. THE WORK AREAS WILL BE RESTORED TO EXISTING CONDITIONS. THERE IS NO CHANGE IN IMPERVIOUS AREA.

RECEIVING STREAM

SURFACE FLOW AND DRAINAGE PATTERNS TO ALUM CREEK

ADJACENT AREAS

THE PROJECT IS BOUNDED BY WILLIAMS ROAD TO THE SOUTH, I-270 TO THE EAST, US-33 TO THE NORTH, AND ALUM CREEK DRIVE TO THE WEST. IN GENERAL THE EXISTING ALUM CREEK TRUNK SEWER FOLLOWS THE ALIGNMENT OF ALUM CREEK THROUGH THIS AREA BOUNDARY.

BASE ZONING FOR THE PROJECT AREA AND SURROUNDING AREAS IS CLASSIFIED AS "R1" AND "RRR" (RESIDENTIAL). LAND USE FOR THE PROJECT AREA AND SURROUNDING AREAS IS CURRENTLY BEING PROVIDED BY THE CITY OF COLUMBUS AS PARKLAND AND GREENWAYS.

SOIL S

ACCORDING TO THE USDA SOIL SURVEY, THE PREDOMINANT SOILS ON SITE CONSISTS OF:

Ee: EEL SILT LOAM, 0-2% SLOPES, OCCASIONAL FLOODING Gn: GENESEE SILT LOAM, 0-2% SLOPES, OCCASIONAL FLOODING So: SLOAN SILT LOAM, COLUMBUS LOWLAND, 0-2% SLOPES, FREQUENT FLOODING

EROSION AND SEDIMENT CONTROL MEASURES
EROSION AND SEDIMENT WILL BE CONTROLLED BY THE USE OF SILT
FENCE AND/OR COMPOST FILTER SOCK, DEWATERING TRAPS AND
FILTER BAGS (TO BE DETERMINED BY THE CONTRACTOR),
TEMPORARY SEEDING AND MULCHING, AND PERMANENT SEEDING
AND MULCHING.

PER THE OHIO EPA'S GENERAL PERMIT OHCOOOOO5 SEC. PART III.G.2.d.ii, SEDIMENT BASINS ARE REQUIRED TO MANAGE RUNOFF FROM THE FOLLOWING CONDITIONS

- CONCENTRATED OR COLLECTED STORM WATER RUNOFF
- RUNOFF FROM DRAINAGE AREAS, WHICH EXCEED THE DESIGN
 CARACITY OF SILT FENCE OR OTHER SERVICES.
- CAPACITY OF SILT FENCE OR OTHER SEDIMENT BARRIERS

 RUNOFF FROM DRAINAGE AREAS THAT EXCEED THE DESIGN
- CAPACITY OF INLET PROTECTION
 AND WHEN THE DRAINAGE AREA TO A STORM SEWER INLET PROTECTION IS GREATER THAN 1.0 ACRE

AS SHOWN IN THE TABLES ON THIS SHEET, EACH DRAINAGE AREA OF THE INDIVIDUAL SITES (LAYDOWN AND WORK AREAS AND MANHOLE WORK AREAS) ARE LESS THAN 1 ACRE, AND AN ADEQUATE CONTROL IS PROVIDED FOR EACH AREA PER THE REQUIREMENTS OF THE RAINWATER AND LAND DEVELOPMENT MANUAL. AS A RESULT SEDIMENT SETTLING PONDS/BASINS ARE NOT REQUIRED.

MAINTENANCE
MAINTENANCE OF THE EROSION & SEDIMENT CONTROL ITEMS SHALL
BE INSPECTED BY THE CONSTRUCTION SUPERINTENDENT DAILY AND
AFTER SIGNIFICANT RAINFALLS. ANY DAMAGED FACILITIES ARE TO
BE REPLACED/REPAIRED IMMEDIATELY AS MAY BE NECESSARY.

CONSTRUCTION SEQUENCE

THIS CONSTRUCTION SEQUENCE IS PROVIDED TO DESCRIBE THE RELATIONSHIP BETWEEN THE IMPLEMENTATION AND MAINTENANCE OF CONTROLS, INCLUDING PERMANENT AND TEMPORARY STABILIZATION AND THE VARIOUS STAGES OR PHASES OF EARTH DISTURBANCE AND CONSTRUCTION.

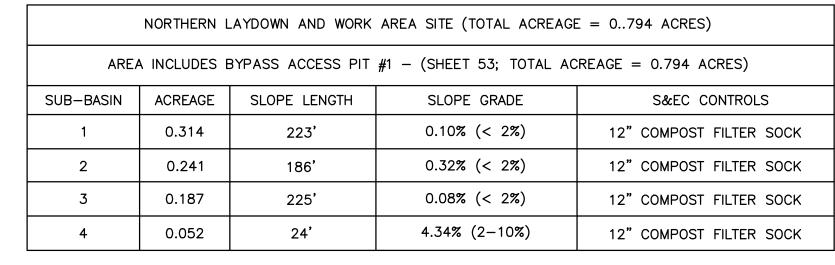
- 1) AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION AT ANY OF THE INDIVIDUAL SITES, SUBMIT TO THE OWNER THE TYPES AND LOCATIONS OF EROSION AND SEDIMENT CONTROL DEVICES AND WHEN THEY WILL BE INSTALLED. IN ADDITION, PROVIDE THE NAME OF THE CONTRACTOR'S INSTALLER AND INSPECTOR WHO WILL BE ONSITE AT ALL TIMES TO ADDRESS ENVIRONMENTAL COMPLIANCE ISSUES.
- 2) THE CONTRACTOR SHALL PLACE THE REQUIRED STABILIZED CONSTRUCTION ENTRANCES, SEDIMENT FENCE AND/OR COMPOST FILTER SOCKS, AND ALL OTHER EROSION CONTROL MEASURES NOTED HEREIN PRIOR TO <u>ANY</u> CONSTRUCTION ACTIVITY AT THE INDIVIDUAL SITES IN ACCORDANCE WITH THE PLAN DETAILS.
- 3) THE CONTRACTOR SHALL PERFORM ANY CLEARING/GRUBBING AND TREE REMOVAL/PROTECTION REQUIRED AT EACH INDIVIDUAL SITE.
- 4) THE CONTRACTOR SHALL STABILIZE EACH WORK AREA WITH STONE FOLLOWING THE INSTALLATION OF EROSION CONTROL MEASURES AND CLEARING/GRUBBING AND TREE REMOVAL.
- 5) THE CONTRACTOR SHALL PERFORM SITE EARTHWORK OPERATIONS INCLUDING MANHOLE REHABILITATION AT APPLICABLE SITES AND INSTALLATION OF THE BYPASS ACCESS PITS.
- 6) FOLLOWING CONSTRUCTION ACTIVITIES AND AFTER BACKFILLING, THE CONTRACTOR SHALL REMOVE THE STABILIZED STONE FROM THE SITES AND INSTALL PERMANENT SEEDING AND MULCHING AS NECESSARY TO REESTABLISH ALL DENUDED AREAS. MAINTAIN AREAS UNTIL VEGETATIVE COVER IS ESTABLISHED.
- 7) UPON PERMANENT STABILIZATION (>90%) REMOVE THE TEMPORARY SEDIMENT CONTROL STRUCTURES. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PROPERLY RESTORED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST THREE (3) DAYS PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THIS SCHEDULE.

SITE CONTACT
NICK DOMENICK
1250 FAIRWOOD AVENUE
COLUMBUS, OH 43206
PH: 614.645.4693
EMAIL: NJDOMENICK@COLUMBUS.GOV

STORMWATER POLLUTION PREVENTION CONTROLS

REFER TO THE INDIVIDUAL SWPPP SITE DETAILS SEDIMENT AND EROSION CONTROL SHEETS FOR EACH SITE, WHERE THE DRAINAGE SUB-BASIN ACREAGES AND PROPOSED SEDIMENT AND EROSION CONTROLS ARE SHOWN. THE ESTIMATED LIMITS OF DISTURBANCE FOR THE SITES HAVE BEEN PROVIDED ON THE INDIVIDUAL SHEETS.



	INDIVIDUAL MANHOLE WORK AREA SITES								
MANHOLE	ACREAGE	SLOPE LENGTH	SLOPE GRADE	S&EC CONTROLS					
0100S0010	0.057	70'	0.84% (< 2%)	12" COMPOST FILTER SOCK					
0101S0018	0.080	86'	0.40% (< 2%)	12" COMPOST FILTER SOCK					
0101S0019	0.057	70'	0.74% (< 2%)	12" COMPOST FILTER SOCK					
0101S0020	0.057	70'	1.14% (< 2%)	12" COMPOST FILTER SOCK					
0101S0027	0.057	70'	4.50% (2-10%)	12" COMPOST FILTER SOCK					
0101S0028	0.057	70'	4.29% (2-10%)	12" COMPOST FILTER SOCK					
0101S0029	0.057	70'	2.29% (2-10%)	12" COMPOST FILTER SOCK					
0101S0030	0.057	70'	0.59% (< 2%)	12" COMPOST FILTER SOCK					
0101S0032	0.057	70'	2.67% (2-10%)	12" COMPOST FILTER SOCK					
0145S0002	0.057	70'	0.75% (< 2%)	12" COMPOST FILTER SOCK					
·									

\	WATKINS ROAD LAYDOWN AREA SITE (SHEET 55 TOTAL ACREAGE = 0.996 ACRES)								
SUB-BASIN	ACREAGE	SLOPE LENGTH	SLOPE GRADE	S&EC CONTROLS					
1	0.530	195'	0.68% (< 2%)	12" COMPOST FILTER SOCK					
2	0.286	182'	0.58% (< 2%)	12" COMPOST FILTER SOCK					
3	0.180	140'	0.62% (< 2%)	12" COMPOST FILTER SOCK					

SOUTHERN LAYDOWN AND WORK AREA SITE (TOTAL ACREAGE = 0.980 ACRES)								
AREA	AREA INCLUDES BYPASS ACCESS PIT #2 - (SHEET 56; TOTAL ACREAGE = 0.980 ACRES)							
SUB-BASIN	ACREAGE	SLOPE LENGTH	SLOPE GRADE	S&EC CONTROLS				
1	0.074	51'	0.26% (< 2%)	12" COMPOST FILTER SOCK				
2	0.171	159'	0.20% (< 2%)	12" COMPOST FILTER SOCK				
3	0.106	98'	0.24% (< 2%)	12" COMPOST FILTER SOCK				
4	0.274	210'	0.35% (< 2%)	12" COMPOST FILTER SOCK				
5	0.248	192'	0.17% (< 2%)	12" COMPOST FILTER SOCK				
6	0.090	111'	0.30% (< 2%)	12" COMPOST FILTER SOCK				

TOPSOIL STOCKPILE AREA SITE (SHEET 54 TOTAL ACREAGE = 0.999 ACRES)							
SUB-BASIN	ACREAGE	SLOPE LENGTH	SLOPE GRADE	S&EC CONTROLS			
1	0.512	135'	1.38% (< 2%)	12" COMPOST FILTER SOCK			
2	0.393	228'	2.21% 2-10%)	12" COMPOST FILTER SOCK			
3	0.094	75'	1.82% (< 2%)	12" COMPOST FILTER SOCK			

TEMPORARY BYPASS ACCESS ROUTE SEDIMENT AND EROSION CONTROLS								
PATH_STATIONING				FLOW DATA AND CONTROLS				
BEGIN	OFFSET	END	OFFSET	LAY LENGTH	ACREAGE	SLOPE LENGTH	SLOPE GRADE (MAX)	S&EC CONTROLS
2+92	14.5'LT	6+50	14.5' LT	341'	0.116	15'	8.55% (2-10%)	12" COMPOST FILTER SOCK
2+92	14.5' RT	6+21	14.5' RT	339'	0.122	15'	5.49% (2-10%)	12" COMPOST FILTER SOCK
6+50	14.5' RT	18+50	14.5' RT	1,197'	0.744	27'	12.81% (10-20%)	12" COMPOST FILTER SOCK
18+50	14.5'LT	26+41	14.5' LT	793'	0.264	15'	10.57% (10-20%)	12" COMPOST FILTER SOCK
18+50	14.5'RT	26+41	14.5' RT	790'	0.263	15'	5.81% (2-10%)	12" COMPOST FILTER SOCK
26+41	14.5' RT	35+16	14.5' RT	862'	0.541	27'	7.49% (2-10%)	12" COMPOST FILTER SOCK
WATKINS RD	14.5' RT	52+52	14.5' RT	1298'	0.561	27'	25% (> 10%)	12" COMPOST FILTER SOCK
41+12	14.5' LT	47+38	14.5' LT	626'	0.179	15'	8.55% (2-10%)	12" COMPOST FILTER SOCK
52+81	14.5' RT	57+92	14.5' RT	511'	0.27	27'	0.50% (< 2%)	12" COMPOST FILTER SOCK
57+00	14.5' LT	70+34	14.5' LT	1370'	0.62	27'	8.29% (2-10%)	12" COMPOST FILTER SOCK
64+66	14.5' RT	67+71	14.5' RT	331'	0.091	15'	2.56% (2-10%)	12" COMPOST FILTER SOCK
69+94	14.5 RT	73.75	14.5' RT	374'	0.220	27'	4.71% (2-10%)	12" COMPOST FILTER SOCK
74+66	14.5' LT	84+21	12.5' LT	1017'	0.285	15'	7.36% (2-10%)	12" COMPOST FILTER SOCK
74+66	14.5' RT	84+21	14.5' RT	942'	0.265	15'	0.14% (< 2%)	12" COMPOST FILTER SOCK
84+76	14.5'LT	92+25	14.5' LT	720'	0.210	15'	21.11% (> 10%)	12" COMPOST FILTER SOCK
84+76	14.5'RT	92+44	14.5' RT	798'	0.224	15'	9.22% (2-10%)	12" COMPOST FILTER SOCK

* - SIZING DEVELOPED OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION. (CHAPTER 6, OHIO EPA RAINWATER AND LAND DEVELOPMENT MANUAL UPDATED 11/06/2014)

EASEMENT REFERENCE					REVISIONS			
CITY NO.	COUNTY F	RECORDER	GRANTOR		DESCRIPTION	APPROVAL/DATE		
CITT NO.	VOL.	PAGE						

STORMWATER POLLUTION
PREVENTION PLAN (SWPPP)

PROJECT TITLE:		
ALUM CREEK TRUNK SOUTH (A SANITARY SEWER REHABILITATION - CIP NO. 650725—100004	- PHASE 1	
CITY OF COLUMBUS	OWNER	
	CONTRACTOR	

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER

DIVISION USE ONLY

48

70

CITY OF COLUMBUS	OWNER									
	CONTRAC		CONTRACTOR		R	ISSUED STATUS: BID				
	INSPE		PECTOR		SCALE:	SHEET:	48	OF	70	
	AGREEMENT		AGREEMENT COMPLETED		SOALL.		10		,	
	RPD CKD		CLD	CON. DR.			RECORD PLAN	1 NO.		
	INDEX DETAIL		RECORD FILE		CC-18773					

CONTRACTOR RESPONSIBILITY DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENT CONTROL. THE DETAILS SHOWN ON THE PLANS ARE SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS USED TO COMPLY WITH EROSION CONTROL METHODS. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE OHIO EPA'S "RAINWATER AND LAND DEVELOPMENT MANUAL". THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF

FROM THE SITE ALONG WITH PROPER MAINTENANCE, INSPECTION, AND IN SOME CASES, RECONSTRUCTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

GENERAL NOTES

THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

THE CONTRACTOR SHALL IMPLEMENT SWPP MEASURES DURING CONSTRUCTION TO COMPLY WITH STANDARDS AND SPECIFICATIONS OUTLINED IN THE LATEST EDITION OF THE FOLLOWING:

SWPPP - DEVELOPED FOR THIS PROJECT

OEPA - PERMIT# OHCOOOOO5 "AUTHORIZATION FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)" (EXPIRES APRIL 22, 2023) ODNR - "RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARD FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM

PROTECTION" THIRD EDITION 2006 ODOT - CMSC ITEM 207

COC DPU DOSD - "STORMWATER DRAINAGE MANUAL" AUGUST 2012

ALL SWPP MEASURES SHALL BE INSTALLED PRIOR TO, OR IN CONJUNCTION WITH. THE START OF EXCAVATION AND ARE TO REMAIN IN EFFECT UNTIL AREAS ARE STABILIZED. FIELD ADJUSTMENTS WITH RESPECT TO LOCATION AND DIMENSIONS MAY BE MADE BY THE OWNER AS REQUIRED.

REMOVE ONLY THE ITEMS SHOWN TO BE REMOVED ON THE PLANS. PROTECT THE REMAINING VEGETATION TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF SWPP DEVICES DURING GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE DEVICES SHALL BE IN PLACE AT THE END OF WORKING HOURS OR DURING ANY INCLEMENT WEATHER.

ALL EXCAVATION SHALL BE COMPLETED IN SUCH A MANNER AS TO LIMIT THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME.

UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTTE MATTING, OR SIMILAR GEOTEXTILE.

EROSION AND SEDIMENTATION SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT IN ANY OFF-SITE DRAINAGE COURSE, WHETHER NATURAL OR MAN-MADE.

DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR WATERCOURSES IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS: THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

THE CONTRACTOR SHALL IMPLEMENT GOOD HOUSEKEEPING PRACTICES ON THE SITE. PROTECTED AREAS FOR CONSTRUCTION MATERIAL AND EQUIPMENT STORAGE SHALL BE PROVIDED ON THE SITE TO MINIMIZE EXPOSURE OF MATERIALS AND EQUIPMENT TO STORM WATER.

TOXIC OR HAZARDOUS WASTES SHALL BE DISPOSED OF PER ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS. ALL SOILS CONTAMINATED WITH PETROLEUM OR OTHER CHEMICAL SPILLS SHALL BE TREATED AND/OR DISPOSED OF IN AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT STORAGE OR DISPOSAL FACILITY.

CONTAINERS (E.G., DRUMS, DUMPSTERS) SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, AND HAZARDOUS OR PETROLEUM WASTES.

IN THE EVENT OF A RELEASE OF MORE THAN 25 GALLONS OF A PETROLEUM PRODUCT, THE CONTRACTOR SHALL CONTACT THE OHIO EPA (1-800-282-9378). THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.

IF VEHICLE MAINTENANCE IS PERFORMED AT THE SITE, THE ACTIVITY SHALL BE PERFORMED IN AREAS AWAY FROM WATERCOURSES, DITCHES, OR OTHER STORM DRAIN INLETS. IF VEHICLE FUEL STORAGE EXCEEDS ONE ABOVE GROUND TANK WITH A CAPACITY OF 660 GALLONS OR TOTAL ABOVE GROUND STORAGE OF 1330 GALLONS, A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER FOR APPROVAL.

NO OPEN BURNING SHALL BE PERMITTED AT THE SITE.

AREAS USED FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME OR CONCRETE SHALL BE DESIGNATED ON THE SITE IN AREAS AWAY FROM WATERCOURSES, DITCHES, OR OTHER STORM DRAIN INLETS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO STORMWATER RUNOFF. UNTREATED

SEDIMENT-LADEN RUNOFF SHALL NOT FLOW OFF OF SITE WITHOUT BEING DIRECTED THROUGH A CONTROL FEATURE. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE INTO NATURAL OR MAN-MADE CHANNELS OR SWALES LEADING THERETO. CONCRETE WASH WATER AND SURPLUS CONCRETE SHALL BE CONFINED TO APPROVED AREAS; AFTER SOLIDIFYING, THESE WASTE MATERIALS SHALL BE REMOVED FROM THE SITE.

CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) SHALL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE 3714. MATERIALS CONTAINING ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS (OHIO ADMINISTRATIVE CODE 3745-20).

ALL BRICKS, CONCRETE, AND SOIL WASTE TO REMAIN ON SITE MUST BE FREE FROM CONTAMINATION THAT MAY LEACH CONSTITUENTS TO THE WATERS OF THE STATE.

AN AREA ON THE SITE SHALL BE DESIGNATED FOR RECEIVING CONCRETE CHUTE OR OTHER CONCRETE WASH WATERS. THE AREA SHALL BE BELOW EXISTING GRADE AND SHALL NOT BE LOCATED NEAR WATERCOURSES, DITCHES OR OTHER STORM DRAIN INLETS.

DUST SUPPRESSION OPERATIONS SHALL BE PERFORMED BY MEANS OF A WATER TRUCK DISTRIBUTING A FINE MIST OF WATER ON THE SITE SURFACE. CONCENTRATED STREAMS OF WATER SPRAY SHOULD BE AVOIDED. DO NOT APPLY THE DUST SUPPRESSANT DIRECTLY TO WATER COURSES OR STORM DRAIN INLETS. USED OIL MAY NOT BE USED AS A DUST SUPPRESSANT.

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS OF ALL PUBLIC STREETS, ROADS, AND PARKING LOTS USED BY THE CONTRACTOR.

STORMWATER POLLUTION PREVENTION MEASURES AND PRACTICES NOTES SILT AND SEDIMENT FROM CONSTRUCTION OPERATIONS SHALL NOT BE PERMITTED TO ENTER THE STORM DRAIN SYSTEM, WATERWAYS (NATURAL OR MAN-MADE) OR ADJACENT PUBLIC OR PRIVATE PROPERTY. CONSTRUCTION OCCURRING NEAR STORM DRAIN INLETS OR WATERWAYS (NATURAL OR MAN-MADE) SHALL REQUIRE EROSION CONTROL MEASURES - SUCH AS SILT FENCE AND PRE-APPROVED INLET PROTECTION — TO PREVENT SILT FROM ENTERING THE STORM DRAIN, WATERWAYS (NATURAL OR MAN-MADE) OR ADJACENT PUBLIC OR PRIVATE PROPERTY. THIS INCLUDES EFFLUENT GENERATED FROM GENERAL DEWATERING OPERATIONS AND/OR TRENCH DEWATERING WORK.

THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTIVE (BMP) ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE. STRAW WATTLES MUST BE A MINIMUM OF 12 INCHES IN DIAMETER.

THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS STORMWATER POLLUTION PREVENTION PLANS AND CONSTRUCTION SITES. COMPOST ROLLS MUST BE A MINIMUM OF 12 INCHES IN DIAMETER.

BACKFILL TRENCHES IMMEDIATELY AFTER INSTALLATION AND TESTING ARE COMPLETED. STABILIZE ANY DISTURBED AREA WITHIN 2 WEEKS AFTER AREA OF SECTION HAS BEEN OPENED.

TIMING OF SEDIMENT TRAPPING PRACTICES - SEDIMENT CONTROL PRACTI SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITIES. FACILITIES, PERIMETER CONTROLS AND OTHER PRACTICES INTENDED SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADINO CONSTRUCTION AND WITHIN 7 DAYS FROM THE START OF EARTH DIS ACTIVITIES. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UP-SLOPE DEVELOPMENT AREA IS RE-STABILIZED.

WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED DUE TO UNSUITABLE CONDITIONS CAUSED BY THE WEATHER, STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE AFTER CONDITIONS BECOME SUITABLE.

STABILIZATION OF DENUDED AREAS - ALL DENUDED AREAS, INCLUDING STOCKPILED TOPSOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY OR PERMANENT STABILIZATION. SEE TABLES 1 AND 2 ON THIS SHEET FOR MORE INFORMATION. THE LIMITS OF PERMANENT RESTORATION ARE AS SHOWN ON THE PLAN.

SEDIMENT BARRIERS - SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

STORM SEWER INLET PROTECTION: ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SEWER SYSTEM DRAINS TO A SETTLING FACILITY. THE COVERS SHALL BE CHECKED PERIODICALLY AND CLEANED WHENEVER THEY FAIL TO FILTER RUNOFF. STRAW BALES ARE NOT APPROVED FOR ANY INLET PROTECTION.

DEWATERING OPERATIONS — CONCENTRATED SEDIMENT—LADEN STORM WATER RUNOFF FROM DENUDED AREAS AND DEWATERING EFFLUENT FROM WELL POINT AND TRENCH DEWATERING OPERATIONS, SHALL PASS THROUGH A SEDIMENT AND EROSION CONTROL DEVICE. EXCEPT AS NOTED IN THIS SECTION, ALL TRENCH DEWATERING EFFLUENT MUST BE DISCHARGED THROUGH A SEDIMENT AND EROSION CONTROL DEVICE BEFORE BEING DISCHARGED TO A STREAM OR STORM

DRAIN. NO TRENCH DEWATERING EFFLUENT LINES SHALL BE PLACED ON OR ACROSS ANY PUBLIC HIGHWAYS, STREET OR ROAD, NOR ACROSS ANY PRIVATE STREET. ROAD OR ACCESS DRIVE. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC DURING TRENCH DEWATERING.

THE FINAL AND MOST APPROPRIATE LOCATION FOR SEDIMENT FILTERING BARRIERS SHALL BE APPROVED BY THE OWNER, BASED UPON SITE CONDITIONS AND OBSERVED TOPOGRAPHY. PROPER IMPLEMENTATION, INSTALLATION, MAINTENANCE AND REPAIR OF SEDIMENT FILTERING BARRIERS AND SEDIMENT BASINS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE PLACEMENT OF SILT BARRIERS SHALL BE AT THE EDGE OF THE DISTURBANCE. DO NOT REMOVE TREES OR EXISTING VEGETATION TO INSTALL SILT FENCE, UNLESS OTHERWISE APPROVED.

ALL CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE BY THE DESIGNATED ENTRANCE(S). THE CONTRACTOR SHALL INSTRUCT ALL VEHICLE DRIVERS LEAVING THE SITE TO CLEAN SOIL, DEBRIS OR OTHER MATERIAL SPILLED, DUMPED OR OTHERWISE DEPOSITED ON PUBLIC STREETS, HIGHWAYS OR SIDEWALKS DURING TRANSIT TO AND FROM THE SITE. MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO PUBLIC ROADS OR ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFFSITE TRUCKING OR SEDIMENT BY VEHICLES AND EQUIPMENT IS ELIMINATED.

SLOUGHING AND DUMPING - NO SOIL, ROCK, DEBRIS OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING S AUTHORIZED BY THE OWNER. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE OR ADEQUATELY ADDRESS THE PROBLEMS.

CUT AND FILL SLOPES: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. CONSIDERATION SHALL BE GIVEN TO THE LENGTH AND STEEPNESS OF THE SLOPE, SOIL TYPE, UPSLOPE DRAINAGE AREA, GROUNDWATER CONDITIONS, AND SLOPE STABILIZATION.

ESTABLISHMENT OF PERMANENT VEGETATION - A PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE OWNER, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDI

PAVEMENT-CUTTING OPERATIONS

TO PHASE II REGULATIONS OF THE NPDES AMENDMENT TO THE CLEAN PURSUAN² WATER ACT OF THE UNITED STATES OF AMERICA, ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT OUR ENVIRONMENT FROM THE DIMINUTIVE DISCHARGES CREATED BY THEIR PAVEMENT CUTTING

THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF PARTICLES, POLLUTED WATERS, OR OTHER SUCH SMALL DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING RUNOFF OF SAID DIMINUTIVE DISCHARGES. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV'S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP THE SMALL DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ADDITIONALLY, WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS AND ENVIRONMENTAL PROTECTIVE MEASURES, TO PREVENT DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEMS AND WATERCOURSES. ALL PAY AND WORK ITEMS WITH PAVEMENT CUTTING, SAWING, OR EXCAVATION SHALL ABIDE BY THIS NOTE.

MOREOVER, IF PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDE A STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR A SPILL PREVENTION/REMEDIATION PLAN; SUCH PLANS SHALL BE ADHERED TO IN ADDITION TO THIS NOTE FOR ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS.

MAINTENANCE AND INSPECTION ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE

REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AND REPAIR (AS NEEDED) THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. THE SITE SHALL BE INSPECTED BY THE CONTRACTOR, IN THE PRESENCE OF THE OWNER, AT A MINIMUM OF ONCE PER EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5 INCH 24 HR. RAINFALL EVENT OR GREATER. INSPECTIONS SHALL BE PERFORMED AS PRESCRIBED IN THE NPDES PERMIT. THESE INSPECTIONS SHALL

IDENTIFY AREAS CONTRIBUTING TO STORM WATER DISCHARGES ASSOCIATED WITH

THE PROJECT; EVALUATE THE ADEQUACY, IMPLEMENTATION AND MAINTENANCE OF

EXISTING AND PROPOSED EROSION/SEDIMENTATION MEASURES; AND DETERMINE

PROJECT TITLE:

WHETHER ADDITIONAL MEASURES ARE REQUIRED. ACCEPTABLE INSPECTION REPORTS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER WITHIN 48 HOURS OF INSPECTION COMPLETION. THE REPORT SHALL CONTAIN THE RESULTS OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWP3, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE PLAN, IDENTIFYING ANY INCIDENTS OF NON-COMPLIANCE, AND DOCUMENTING THE REMEDIES IMPLEMENTED TO CORRECT DEFICIENCIES. RECORDS OF THESE INSPECTIONS SHALL BE KEPT ON SITE AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED.

GENERAL RESTORATION NOTES

FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES, RESTORATION OF THE WORK SITE SHALL TAKE PLACE. ALL CONSTRUCTION DEBRIS AND CONTAMINATED SOIL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. FINAL GRADING SHALL BE GOVERNED BY EXISTING ELEVATIONS. ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

REMOVE FENCE POSTS AND TEMPORARY FENCING INSTALLED FOR CONSTRUCTION, UNLESS NOTED OTHERWISE. AFTER ALL CONSTRUCTION, EXCLUDING RESTORATION, IS COMPLETE AND ACCEPTED BY THE ENGINEER.

ALL LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE PRECONSTRUCTION CONDITIONS. SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS.

TOPSOIL SHALL BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FREE OF ANY ADMIXTURE OF SUBSOIL, CLODS OF HARD EARTH, PLANTS OR ROOTS, STICKS, OR OTHER EXTRANEOUS MATERIAL HARMFUL TO PLANT GROWTH.

THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR FINAL STABILIZATION OF THE SITE CONTAINED IN APPLICABLE NPDES CONSTRUCTION STORMWATER PERMITS FOR THE SITE.

STABILIZATION OF DISTURBED AREAS SHALL, AT A MINIMUM, BE INITIATED IN ACCORDANCE WITH THE TIME FRAMES SPECIFIED IN THE FOLLOWING TABLES.

TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTRUBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTRUBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S)
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE. ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.

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SWPPP GENERAL NOTES

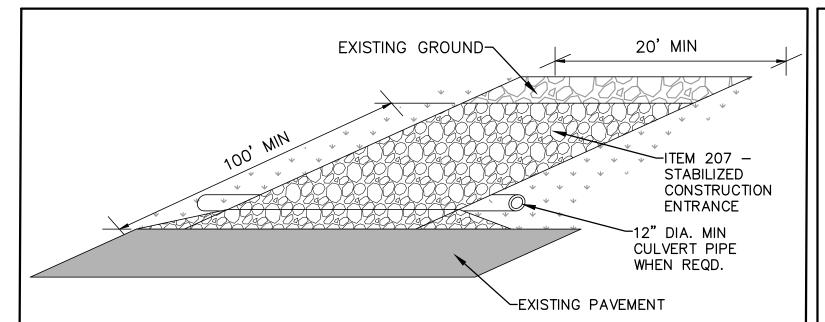
ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER

DIVISION USE ONLY

CITY OF COLUMBUS

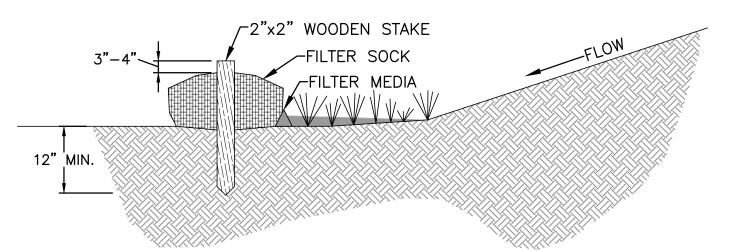
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STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

- 1. STONE SIZE USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. LENGTH - SHALL BE A LENGTH REQUIRED TO KEEP SEDIMENT OFF ROADWAY, BUT MAY BE LONGER AS DETERMINED BY THE CITY OF COLUMBUS.
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TWENTY (20) FEET MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR ÉGRESS OCCURS. MAY BE WIDER AS DETERMINED BY THE CITY OF COLUMBUS.
- 5. FLARES OR RADII SHALL BE INSTALLED AT THE ENTRANCE IF THE PUBLIC ROADWAY SPEEDS AND/OR TRAFFIC CONDITIONS WARRANT IT, OR IF DIRECTED BY C.O.C.
- 6. FILTER FABRIC WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE
- 7. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE PERMITTED.
- 8. CULVERT PIPE 12" MINIMUM PIPE IS REQUIRED IF A STORM DITCH OR SWALE EXISTS AT THE PROPOSED ENTRANCE. THE CULVERT PIPE INVERTS SHALL MATCH THE EXISTING DITCH AT BOTH SIDES OF THE ENTRANCE.
- 9. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PROTECT THE PUBLIC RIGHT-OW-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR
- TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY. 10. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING
- 11. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN. 12. MAINTENANCE OF TRAFFIC SIGNAGE SHALL BE A 48"X48" CONTSTRUCTION ENTRANCE AHEAD, 200' (ADEQUATE SIGHT DISTANCE SHALL BE CONSIDERED) BEFORE THE ENTRANCE ON BOTH SIDES OF THE ROAD OR AS APPROVED BY THE C.O.C. TEMPORARY TRAFFIC CONTROL COORDINATOR. CONTRACTOR SHALL CALL THE TTCC AT 614.645.7393 BEFORE STARTING THE ENTRANCE WORK
- 13. PLEASE SEE C.O.C. STANDARD CONSTRUCTION DRAWING 2230 FOR MORE INFORMATION.



COMPOST FILTER SOCK

NOT TO SCALE

NOTES: MATERIALS:

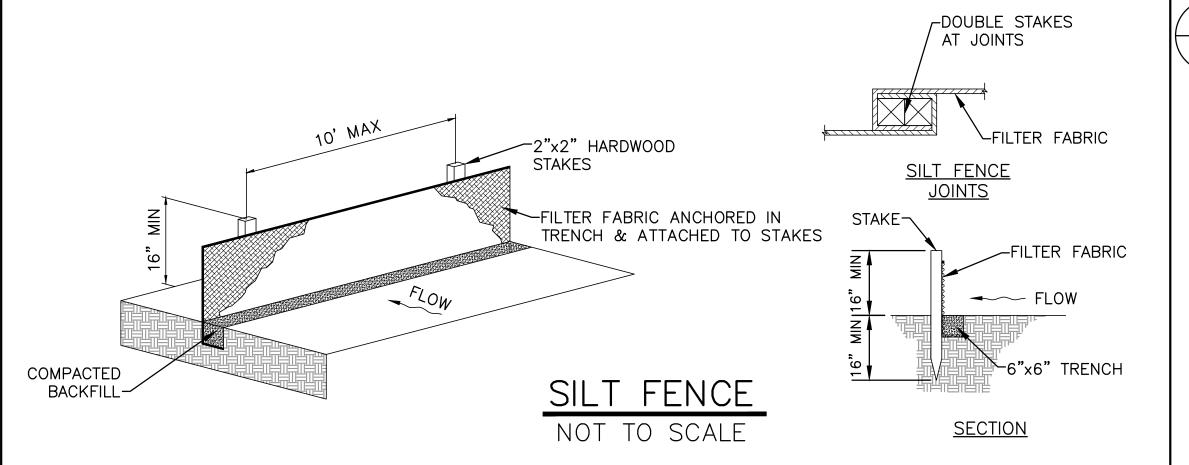
- COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF A PARTICLES RANGING FROM 3/8" TO 2".
- FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.
- STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER (OEPA).

INSTALLATION:

- FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MIDSLOPE.
- UPON INSTALLATION OF THE FILTER SOCK, ADDITIONAL FILTER MEDIA (MATCHING THE MEDIA INSIDE OF THE SOCK) SHALL BE PLACED ON THE UPLAND SIDE OF THE FILTER SOCK, FILTER MEDIA SHALL EXTEND HALFWAY UP THE SOCK AND SLOPE AT A MAXIMUM OF 45 DEGREES TO EXISTING GROUND ELEVATION.
- FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT
- FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOF

MAINTENANCE:

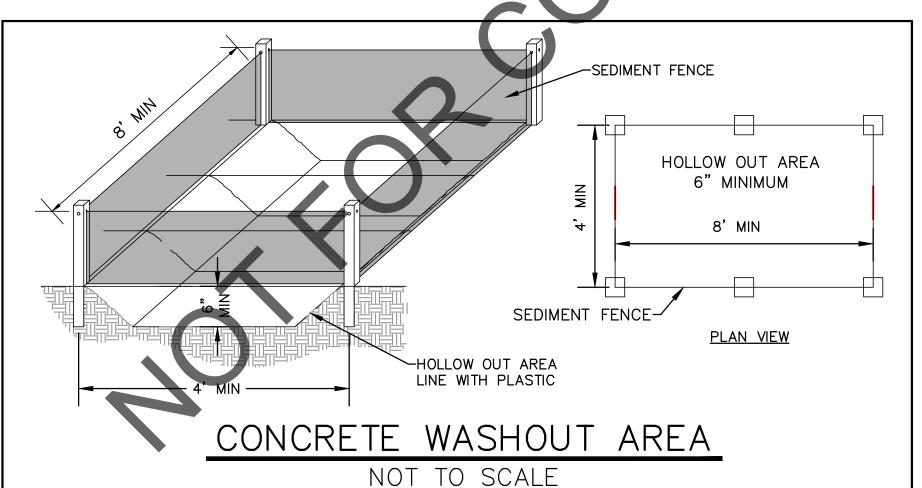
- ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING 🚛 FUNCTIONAL CONDITION AT ALL TIMES.
- REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
- WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
- 10. REMOVAL FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER EQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.



- 1. ALL SILT FENCE SHALL BE PLACED ON THE CONTOUR (LEVEL) SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH. 2. ENDS OF THE FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT PONDED WATER WILL BE PREVENTED FROM FLOWING AROUND THE ENDS. 3. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
- HERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5' (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS EMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS OF INSTALLATION.
- HE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6" DEEP. THE TRENCH SHALL BE MADE WITH A ENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE, WHICH WILL ENSURE A UNIFORM TRENCH DEPTH.
- SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8" OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6" DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
- SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL BE SPLICED ONLY AT A SUPPORT STAKE. (SEE JOINT DETAIL)
- MAINTENANCE SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSED FLOW THROUGH THE GEOTEXTILE. IF RUNOFF FLOWS OVER OR UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AT A MINIMUM.
- 9. SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE FENCE. FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE FENCE SHALL BE REPAIRED IMMEDIATELY.

10. SILT FENCE MATERIALS:

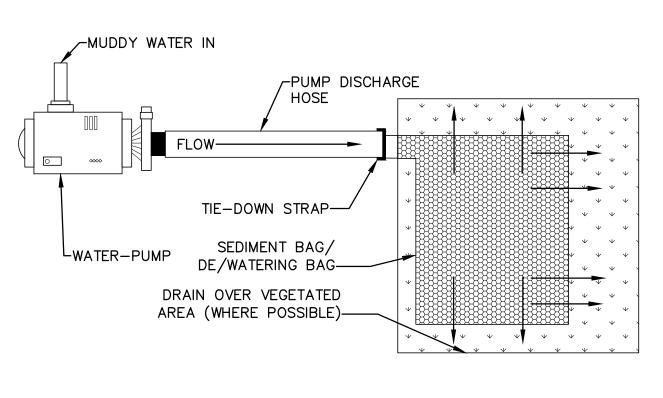
- STAKES TO BE 2"x2" (NOMINAL) HARDWOOD OF SOUND QUALITY WITH A MINIMUM LENGTH OF 32". THEY SHALL BE FREE OF KNOTS, SPLITS OR OTHER IMPERFECTIONS, WHICH MAY WEAKEN THEM. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10'. POSTS SHALL BE DRIVEN A MINIMUM 16" INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE STAKES SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING. FILTER FABRIC - PER CMSC ITEM 712.09 TYPE C
- 11. THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE.
- 12. THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.



- 1. CONCRETE TRUCKS SHALL UTILIZE AREAS TO WASHOUT TRUCKS. ACCUMULATED CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
- 2. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.
- 3. THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT.

- THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OHIO EPA AND CITY OF COLUMBUS REGULATIONS.
- ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.
- DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPOERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL OF A TYPICAL SEDIMENT BAG INSTALLATION.

PROJECT TITLE:



SUGGESTED DISCHARGE SET-UP FOR PUMPING MUDDY WATER

NOT TO SCALE

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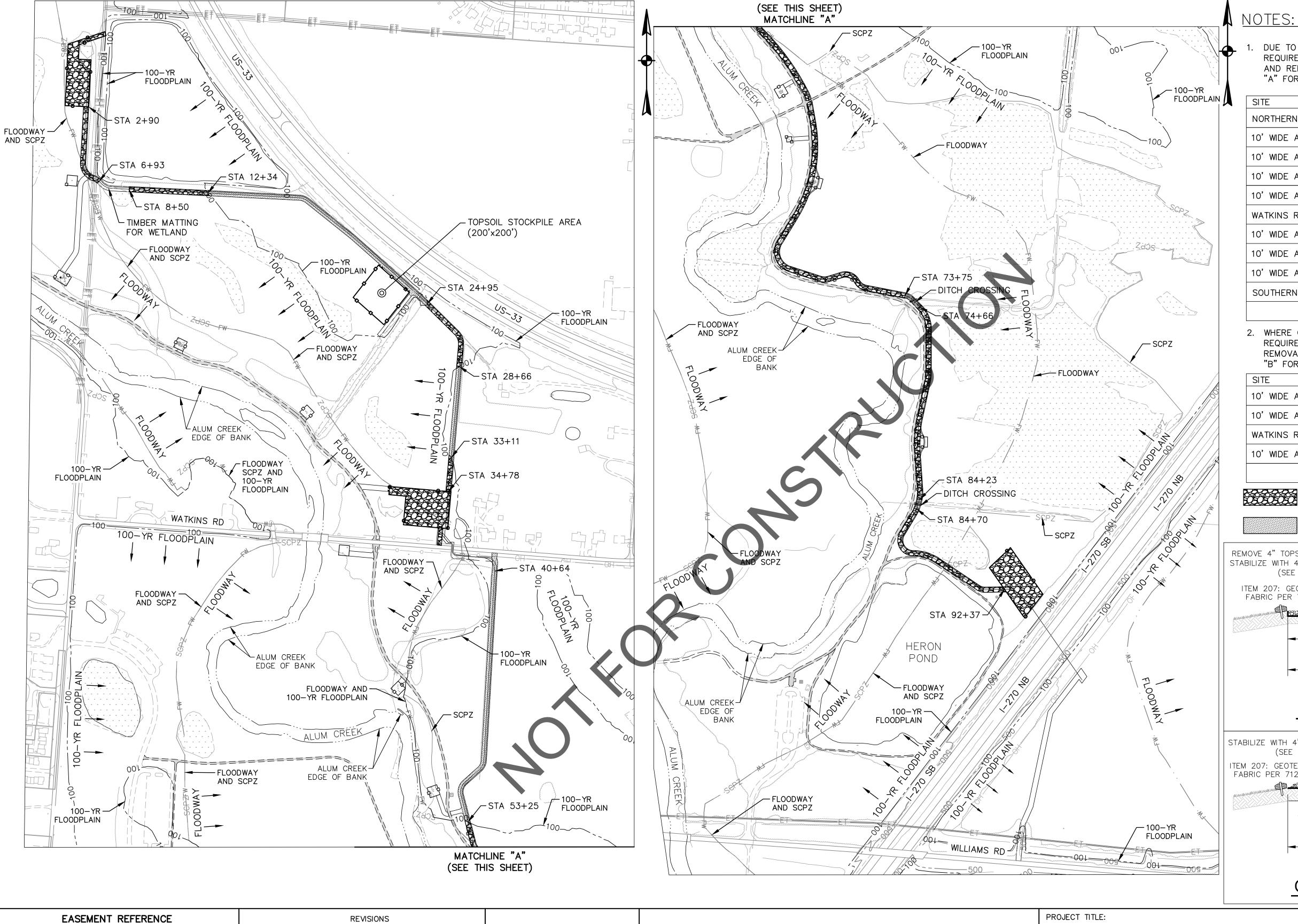
ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

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CITY OF COLUMBUS		OW	NER						
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1. DUE TO BEING WITHIN THE 100—YR FLOODPLAIN, THE FOLLOWING AREAS REQUIRE THE REMOVAL OF 4" OF TOPSOIL, HAULING TO STOCKPILE AREA, AND REPLACED WITH 4" OF STONE STABILIZATION. SEE TYPICAL SECTION "A" FOR MAXIMUM PAY LIMITS ALONG THE 25' (MAX) ACCESS ROUTE.

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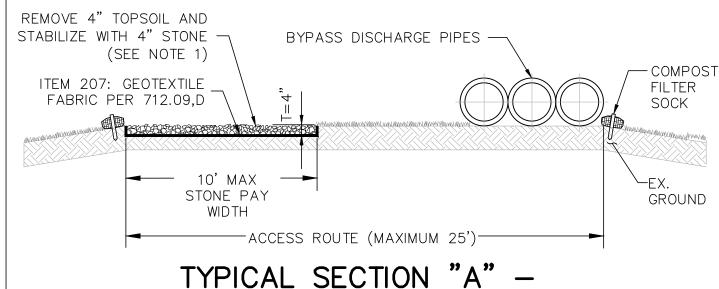
SITE	SQUARE FEET	CUBIC YARDS
NORTHERN LAYDOWN AND WORK AREA	33,436	413
10' WIDE ACCESS PATH (2+90-6+93)	4,030	50
10' WIDE ACCESS PATH (8+50-12+34)	3,840	48
10' WIDE ACCESS PATH (24+95-28+66)	3,710	46
10' WIDE ACCESS PATH (33+11-34+78)	1,670	21
WATKINS RD LAYDOWN SITE AND ENTRANCE	44,540	550
10' WIDE ACCESS PATH (53+25-73+75)	20,500	253
10' WIDE ACCESS PATH (74+66-84+23)	9,570	118
10' WIDE ACCESS PATH (84+70-92+37)	7,670	95
SOUTHERN LAYDOWN AND WORK AREA	40,223	497
TOTAL	169,189	2,091

2. WHERE OUTSIDE THE 100-YR FLOODPLAIN, THE ACCESS ROUTE SHALL REQUIRE 4" OF STONE STABILIZATION AND DOES NOT REQUIRE THE REMOVAL OF 4" OF TOPSOIL PRIOR TO PLACEMENT. SEE TYPICAL SECTION "B" FOR MAXIMUM PAY LIMITS ALONG THE 25' (MAX) ACCESS ROUTE.

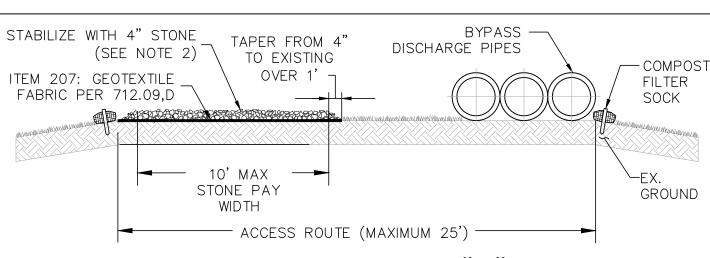
SITE	SQUARE FEET	CUBIC YARDS
10' WIDE ACCESS PATH (12+34-24+95)	12,610	156
10' WIDE ACCESS PATH (28+66-33+11)	4,450	55
WATKINS RD CONSTRUCTION ENTRANCE (S)	2,500	31
10' WIDE ACCESS PATH (40+64-53+25)	12,610	156
TOTAL	32,170	398

STONE STABILIZATION WITH 4" TOPSOIL REMOVAL (SEE NOTE 1)

STONE STABILIZATION WITHOUT TOPSOIL REMOVAL (SEE NOTE 2)



TYPICAL SECTION "A" — WITHIN 100—YR FLOODPLAIN



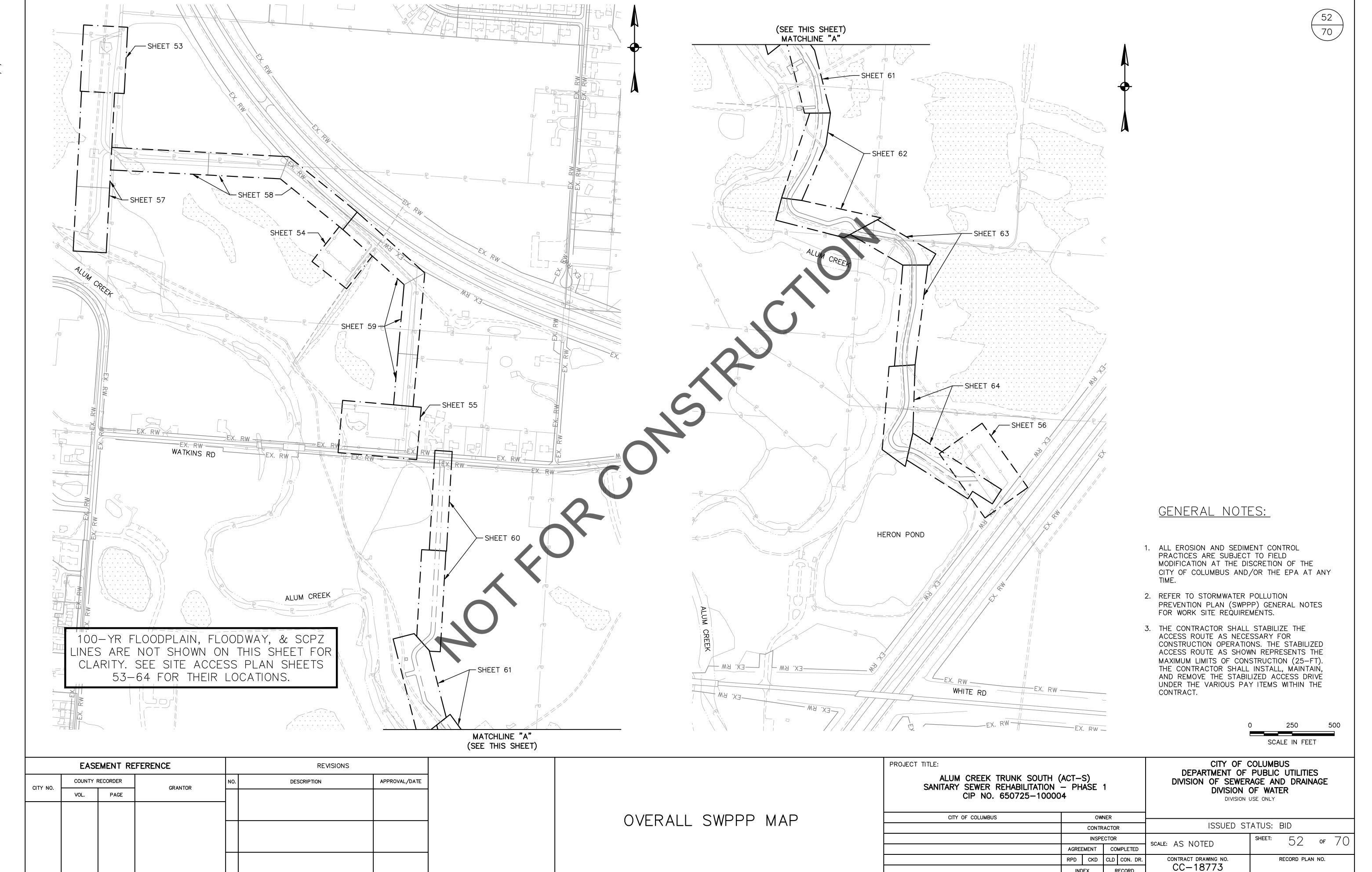
TYPICAL SECTION "B" OUTSIDE 100-YR FLOODPLAIN

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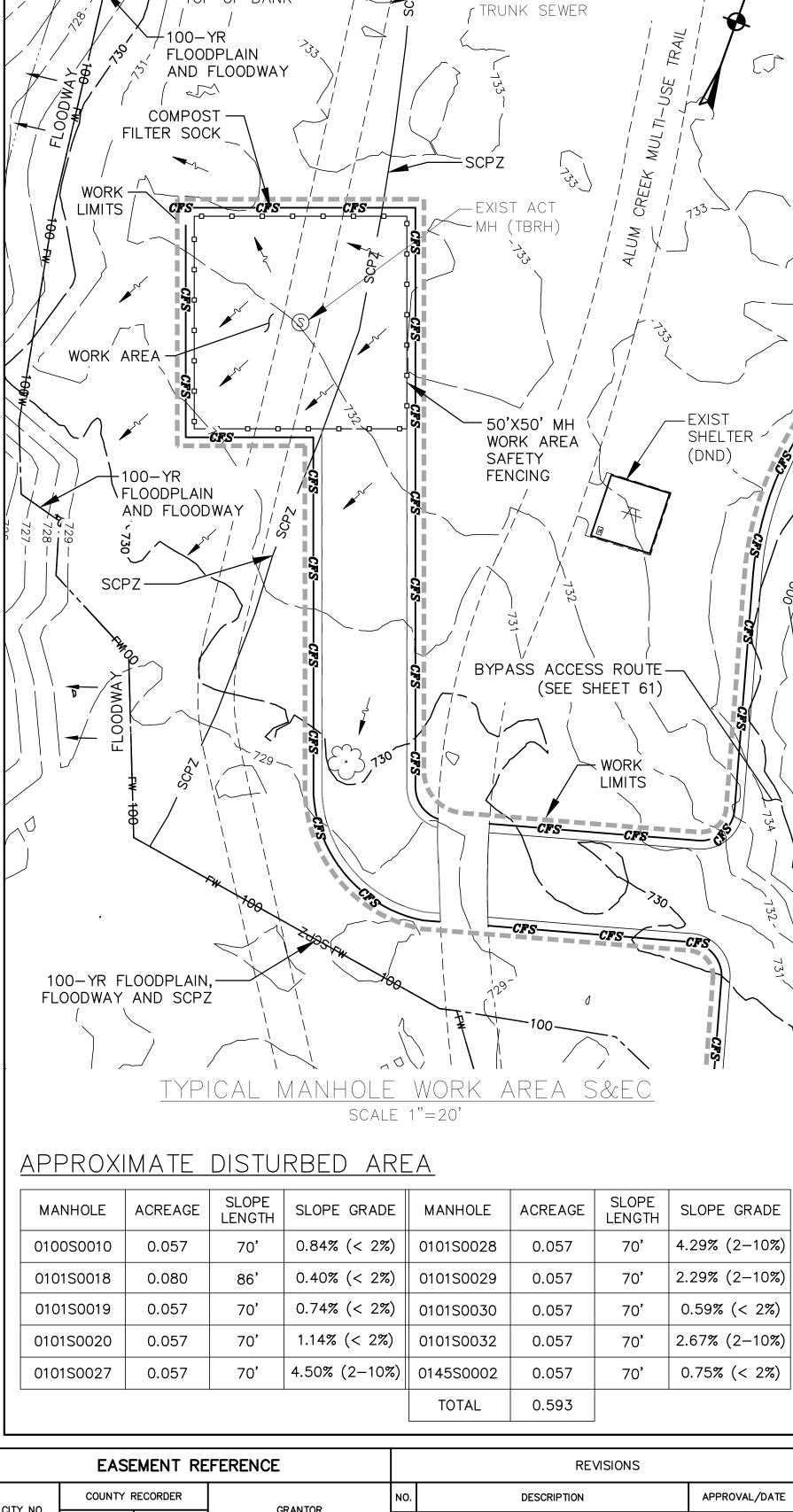
ACCESS PATH & LAYDOWN SITES STONE STABILIZATION PLAN

ALUM CREEK TRUNI	K SOUTH (ACT-S)
SANITARY SEWER REHAE	
CIP NO. 6507	/25-100004

CITY OF COLUMBUS	OWNER								
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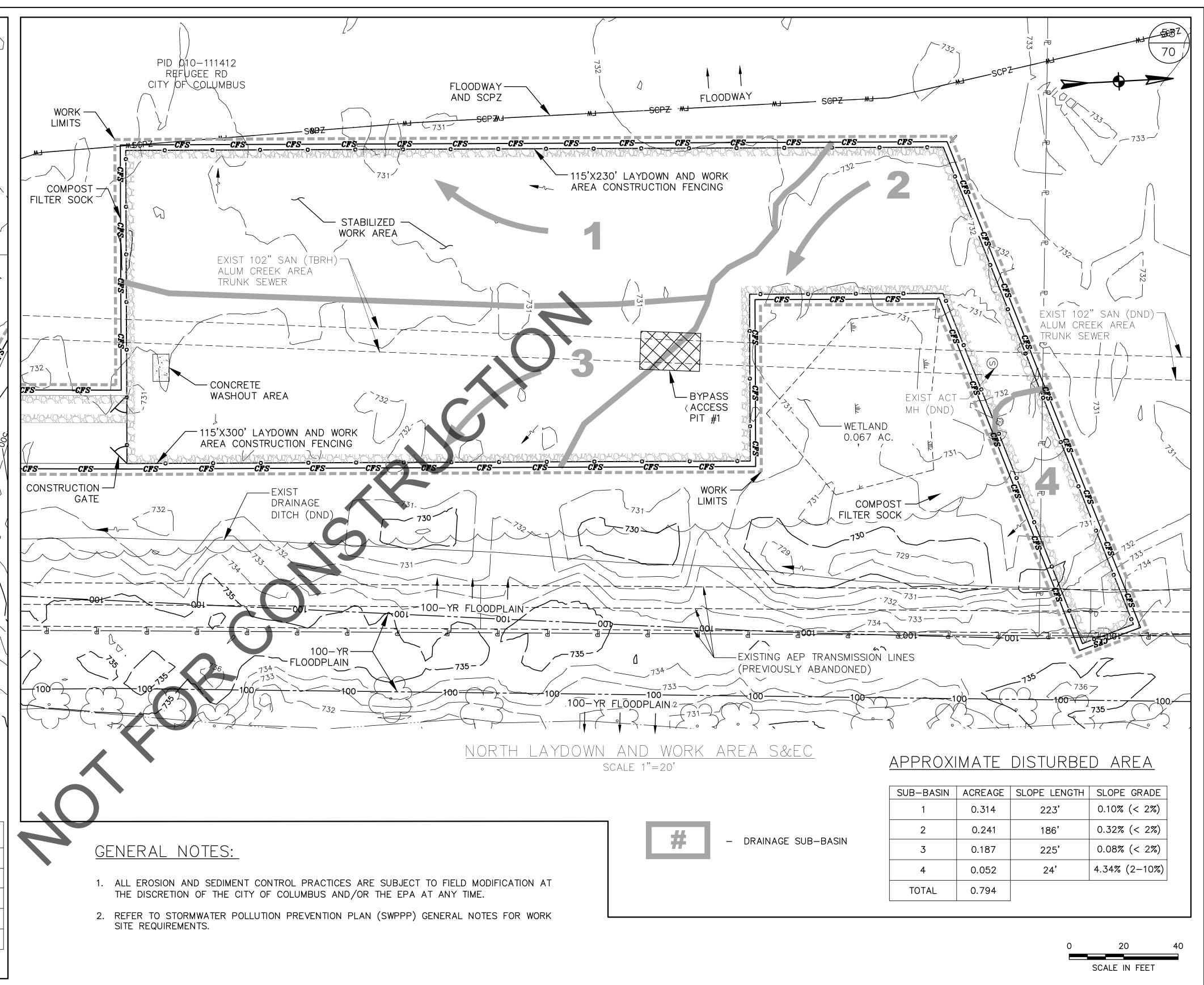


EXIST ALUM CREEK

TOP OF BANK

EXIST 102" SAN (TBRH)

ALUM CREEK AREA



CITY NO. PAGE

| COUNTY RECORDER | GRANTOR | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL/DATE | COUNTY RECORDER | NO. | DESCRIPTION | APPROVAL | COUNTY RECORDER | COUNTY R

SWPPP NORTHERN
LAYDOWN SITE DETAILS

ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION CIP NO. 650725-10000	- PHASE 1
CITY OF COLUMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			२	ISSUED STATUS: BID				
		INSPECTOR			scale: AS NOTED	SHEET:	53	OF	70
	AGREE	MENT	COMPLETED		SCALL: AS NOTED				, 0
	RPD	RPD CKD C		CON. DR.	CONTRACT DRAWING NO.		RECORD PLAN	NO.	
		INDEX DETAIL		ECORD FILE	CC-18773				

-WETLAND AA

1.857 ACRES (DND)

WORK LIMITS -

-100-YR

FLOODPLAIN

├ COMPOST FILTER SOCK

COMPOST FILTER SOCK -

200'X200' TOPSOIL STOCKPILE — 6-FT TALL SAFETY FENCE

WATKINS LAYDOWN AREA S&EC

SCALE 1"=20'



BYPASS ACCESS ROUTE

WORK LIMITS -

PID 530-156616 3086 WATKINS RD

CITY OF COLUMBUS

200'X200' TOPSOIL STOCKPILE

6-FT TALL SAFETY FENCE

(SEE NOTE 3)

(SEE SHEET 58)

COMPOST

FILTER SOCK

BYPASS ACCESS ROUTE -

(SEE SHEET 59)

PROJECT TITLE: ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER DIVISION USE ONLY

SCALE IN FEET

CITY OF COLUMBUS OWNER ISSUED STATUS: BID CONTRACTOR 54 of 70 INSPECTOR SCALE: AS NOTED AGREEMENT COMPLETED CONTRACT DRAWING NO. RPD CKD CLD CON. DR. CC-18773 RECORD FILE

APPROXIMATE DISTURBED AREA SUB-BASIN | ACREAGE | SLOPE LENGTH | SLOPE GRADE

1	0.512	135'	1.38% (< 2%)
2	0.393	228'	2.21% (2-10%)
3	0.094	75'	1.82% (< 2%)
TOTAL	0.999		

70

GENERAL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE EPA AT ANY TIME.
- 2. REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL NOTES FOR WORK SITE REQUIREMENTS.
- 3. CONTRACTOR TO INSTALL 6-FT TALL ULINE SAFETY FENCE MODEL 2-2412ORG (ORANGE) FENCING AND POSTS (OR APPROVED EQUAL).



 $\bigcup_{i=1}^{n}$

****EXIST DRAINAGE DITCH (DND)

++100-YR

FLOODPLAIN

- DRAINAGE SUB-BASIN

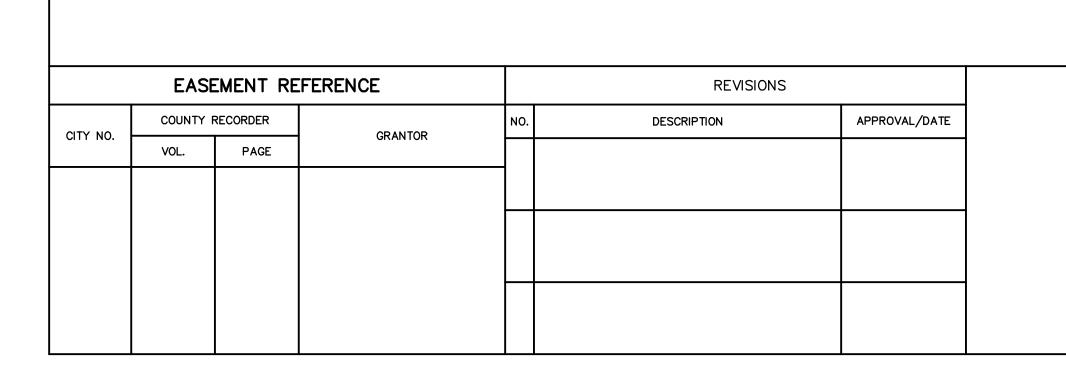


FLOODWAY-

AND SCPZ

CONSTRUCTION

GATE





STABILIZED CONTRUCTION

ENTRANCE PER ITEM 207 AND STANDARD DRAWING 2230

BYPASS ACCESS ROUTE

(SEE SHEET 59)

CONSTRUCTION -

GATE

727

COMPOST

GUARDRAIL

(DND)

FILTER SOCK

CFS CFS

180'X215' LAYDOWN AREA — CONSTRUCTION FENCING

STABILIZED LAYDOWN AREA

- 180'X215' LAYDOWN AREA CONSTRUCTION FENCING

VATKINS ROAD (60')

WATKINS LAYDOWN AREA S&EC

SCALE 1"=20'

· CONCRETE

WASHOUT AREA

COMPOST -

FILTER SOCK

FENCE (DND)

[>29

-CFS----CFS-----CFS

-WETLAND 0.106 AC.

3086 WATKINS RD CITY OF COLUMBUS

EDGE OF PAVEMENT

WORK LIMITS

WORK LIMITS -

COMPOST

FILTER SOCK

ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION — PHASE 1 CIP NO. 650725—100004

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

SCALE IN FEET

CITY OF COLUMBUS

CONTRACTOR

INSPECTOR

AGREEMENT

COMPLETED

RPD

CKD

CLD

CON. DR.

CONTRACT DRAWING NO.

CC—18773

RECORD FILE

CONTRACT DRAWING NO.

CC—18773

<u>APPROXIMATE DISTURBED AREA</u>

SUB-BASIN	ACREAGE	SLOPE LENGTH	SLOPE GRADE
1	0.530	195'	0.68% (< 2%)
2	0.286	182'	0.58% (< 2%)
3	0.180	140'	0.62% (< 2%)
TOTAL	0.996		

70

GENERAL NOTES:

-100-YR FLOODPLAIN

PID 530-179993

3086 WATKINS RD GOLDEN MICHAEL

-EXIST POND —

-EXIST BOX CULVERT

(DND)

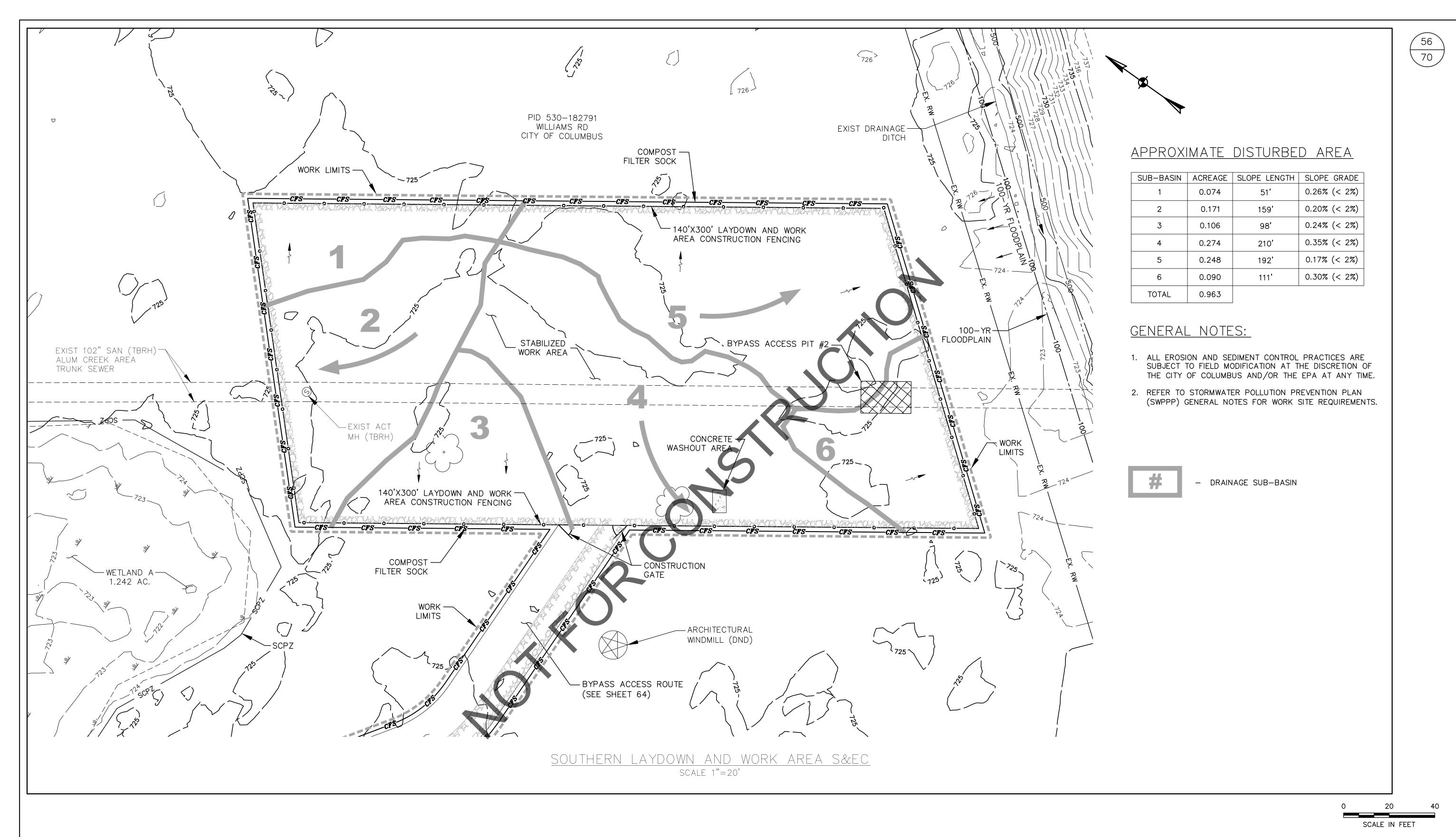
—FLOODWAY

AND SCPZ

- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE EPA AT ANY TIME.
- REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL NOTES FOR WORK SITE REQUIREMENTS.



- DRAINAGE SUB-BASIN

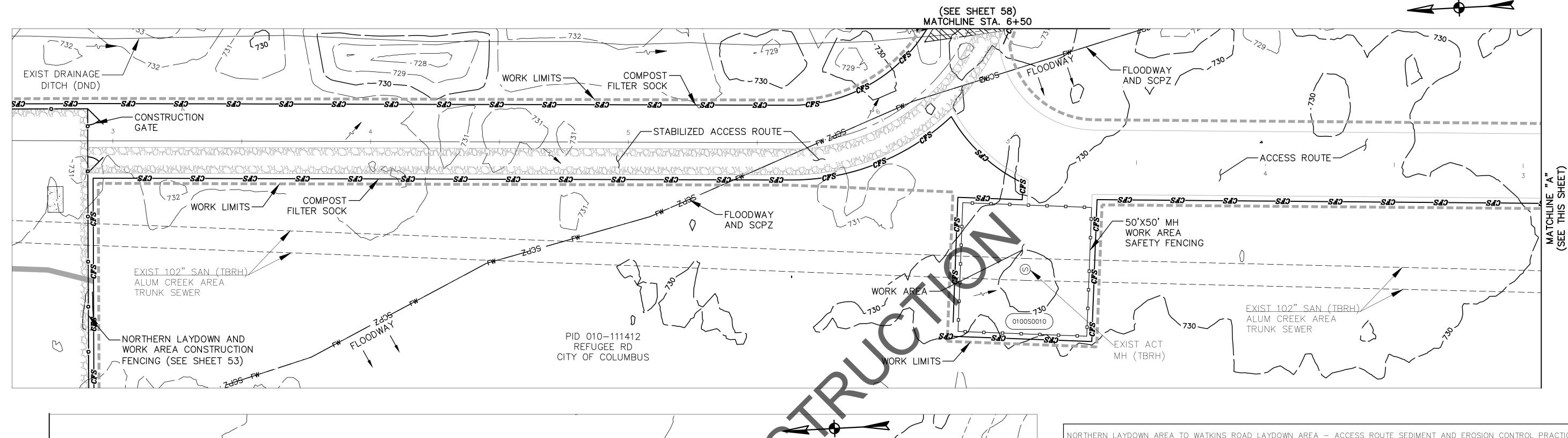


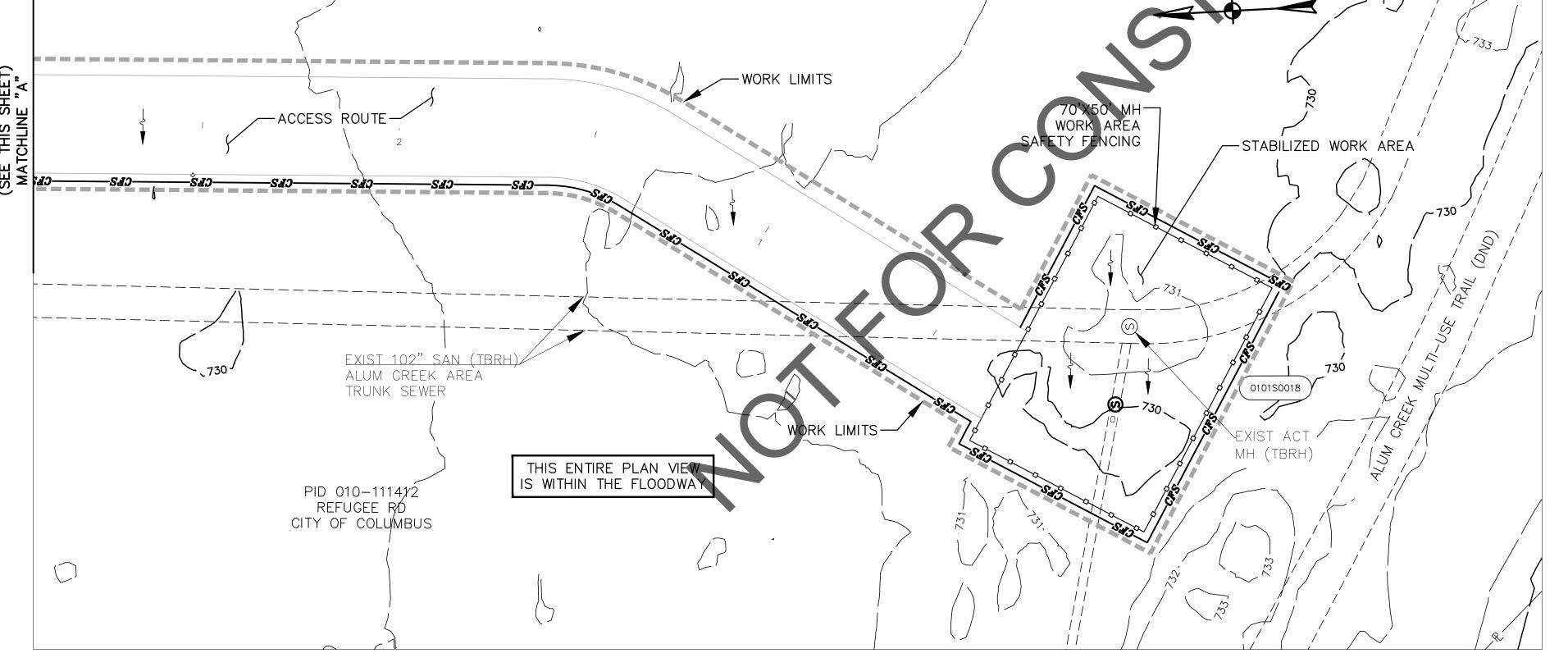
	EASE	EMENT RE	FERENCE	REVISIONS					
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			
CITT NO.	VOL.	PAGE	GRANTOR						

SWPPP SOUTHERN
LAYDOWN SITE DETAILS

PROJECT TITLE:	
ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION CIP NO. 650725-1000	- PHASE 1
CITY OF COLUMBUS	OWNER

CITY OF COLUMBUS		OWN	NER						
	CONTRACTOR				ISSUED STATUS: BID				
	INSPECTOR				scale: AS NOTED	SHEET:	56	OF	70
	AGREEM	IENT	COMPLETED		SCALE. AS NOTED				, 0
	RPD CKD (CLD C	ON. DR.	CONTRACT DRAWING NO.	F	RECORD PLA	NO.	
	INDEX DETAIL		RECORD FILE		CC-18773				





	PATH S	STATIONING				F	LOW DATA AND CONTRO	LS
BEGIN	BEGIN OFFSET END OFFSET LAY LENGTH					SLOPE LENGTH	SLOPE GRADE (MAX)	S&EC CONTROLS
2+92	14.5' LT	6+50	14.5' LT	341'	0.116	15'	8.55% (2-10%)	12" COMPOST FILTER SOCK
2+92	14.5' RT	6+21	14.5' RT	339'	0.122	15'	5.49% (2-10%)	12" COMPOST FILTER SOCK
6+50	14.5' RT	18+50	14.5' RT	1,197'	0.744	27'	12.81% (10-20%)	12" COMPOST FILTER SOCK
18+50	14.5' LT	26+41	14.5' LT	793'	0.264	15'	10.57% (10-20%)	12" COMPOST FILTER SOCK
18+50	14.5' RT	26+41	14.5' RT	790'	0.263	15'	5.81% (2-10%)	12" COMPOST FILTER SOCK
26+41	14.5' RT	35+16	14.5' RT	862'	0.541	27'	7.49% (2-10%)	12" COMPOST FILTER SOCK

GENERAL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE EPA AT ANY TIME.
- 2. REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL NOTES FOR WORK SITE REQUIREMENTS.

SCALE IN FEET

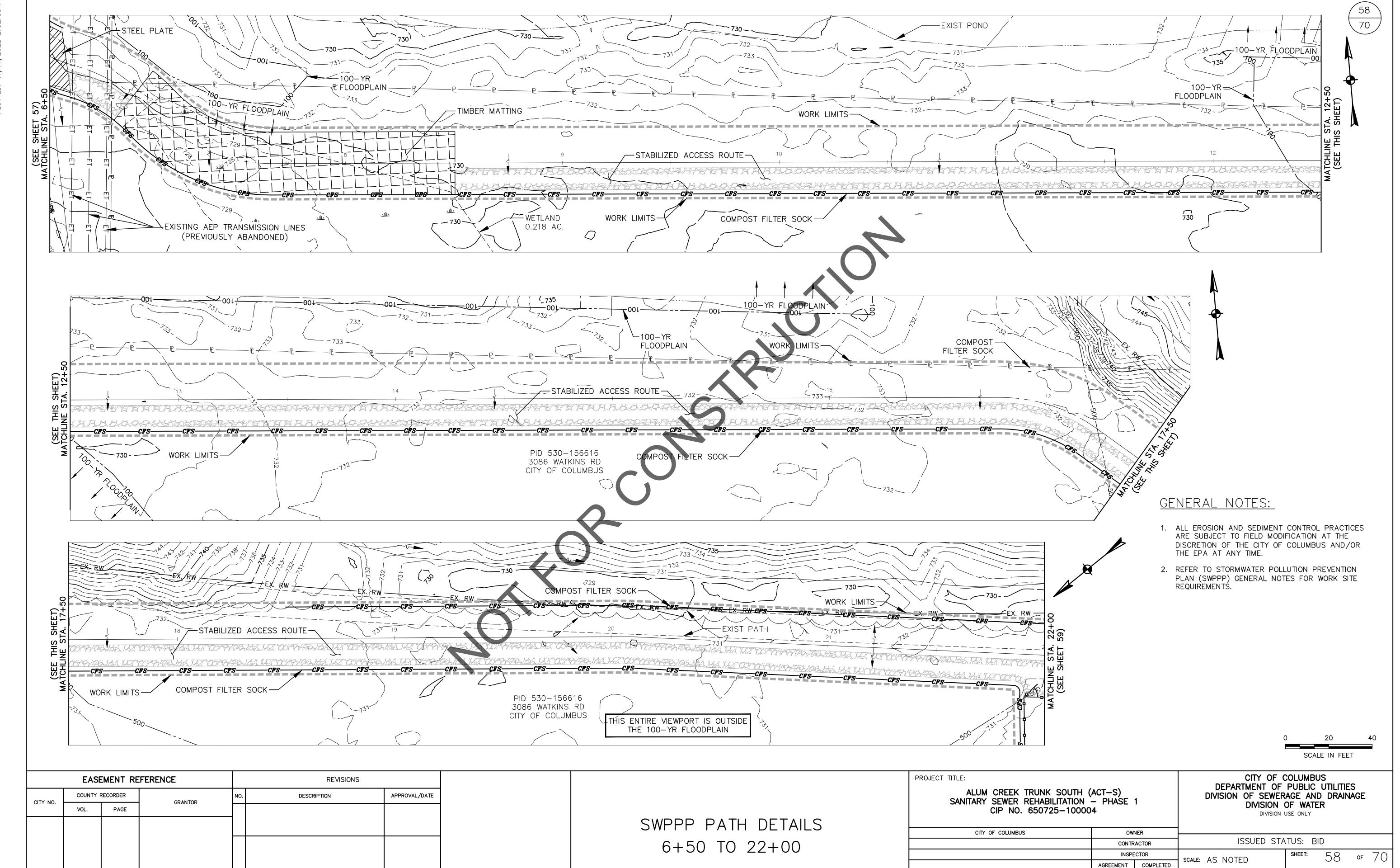
	EASE	EMENT RE	FERENCE	REVISIONS					
CITY NO.	COUNTY F	RECORDER	CRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			
CITT NO.	VOL.	PAGE	GRANTOR -						
				_					

SWPPP PATH DETAILS
NORTHERN LAYDOWN TO 6+50

ALUM CREEK TRUNK SOUTH (A SANITARY SEWER REHABILITATION - CIP NO. 650725-10000	- PHASE 1
CITY OF COLUMBUS	OWNER

PROJECT TITLE:

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			R	ISSUED STATUS: BID				
	INSPECTOR				scale: AS NOTED	SHEET:	57	OF	70
	AGREEMENT		T COMPLETED		SCALL. AS NOTED		<u> </u>		, 0
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.		RECORD PLAN	NO.	
	INDEX DETAIL		RECORD FILE		CC-18773				



CONTRACT DRAWING NO.

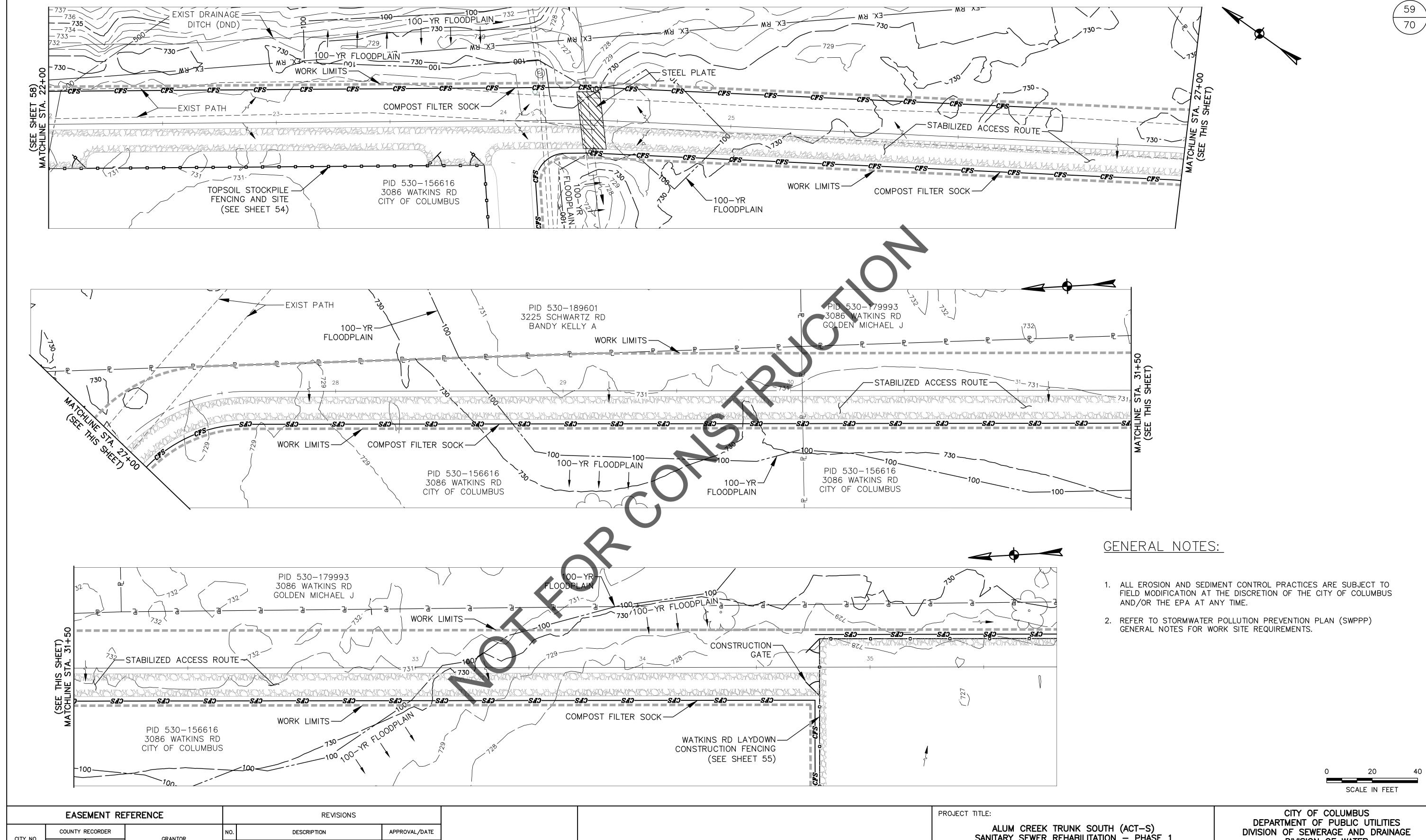
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RECORD PLAN NO.

RPD | CKD | CLD | CON. DR.

RECORD FILE

INDEX DETAIL



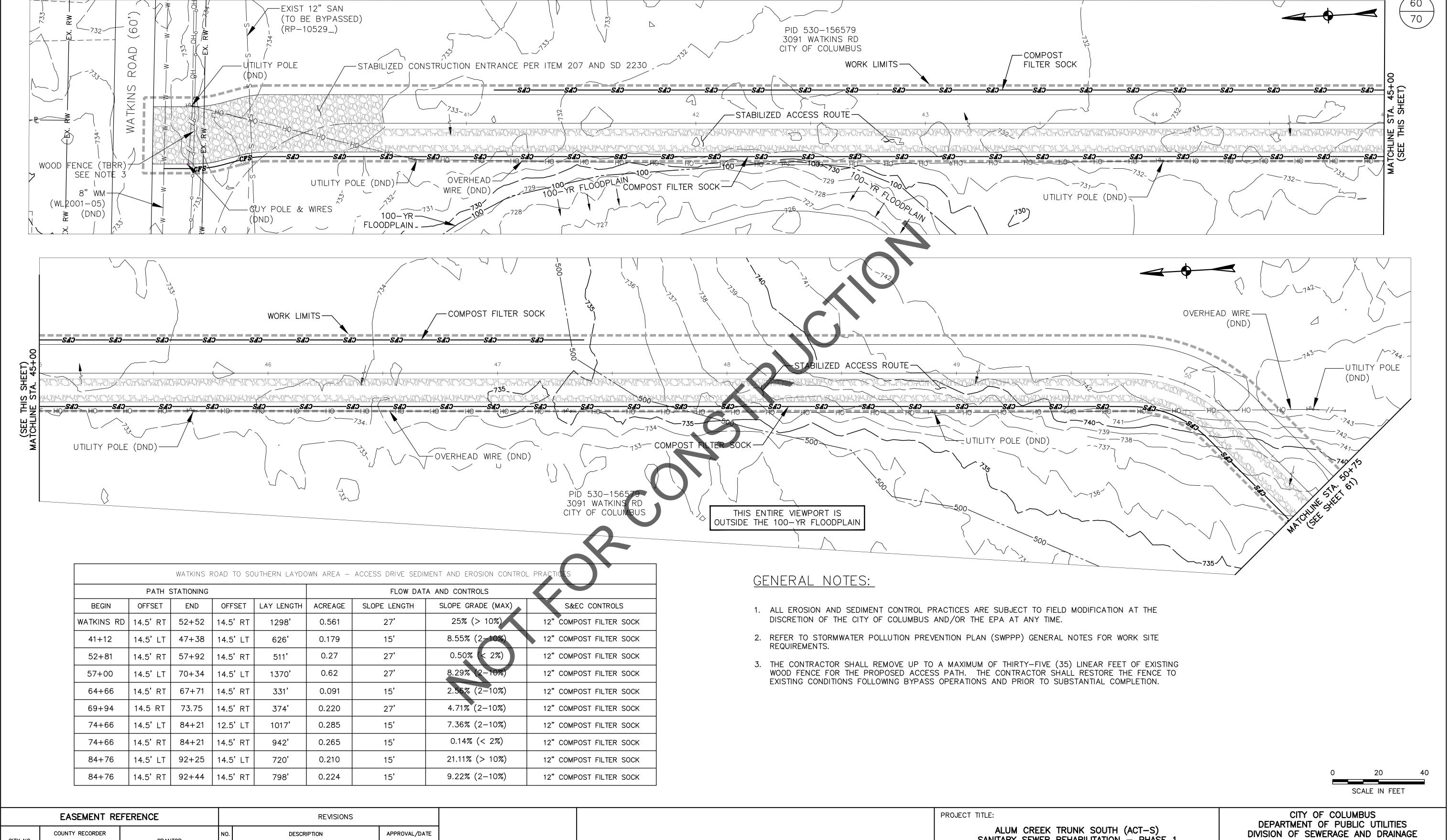
GRANTOR CITY NO. PAGE VOL.

SWPPP PATH DETAILS 22+00 TO WATKINS RD LAYDOWN

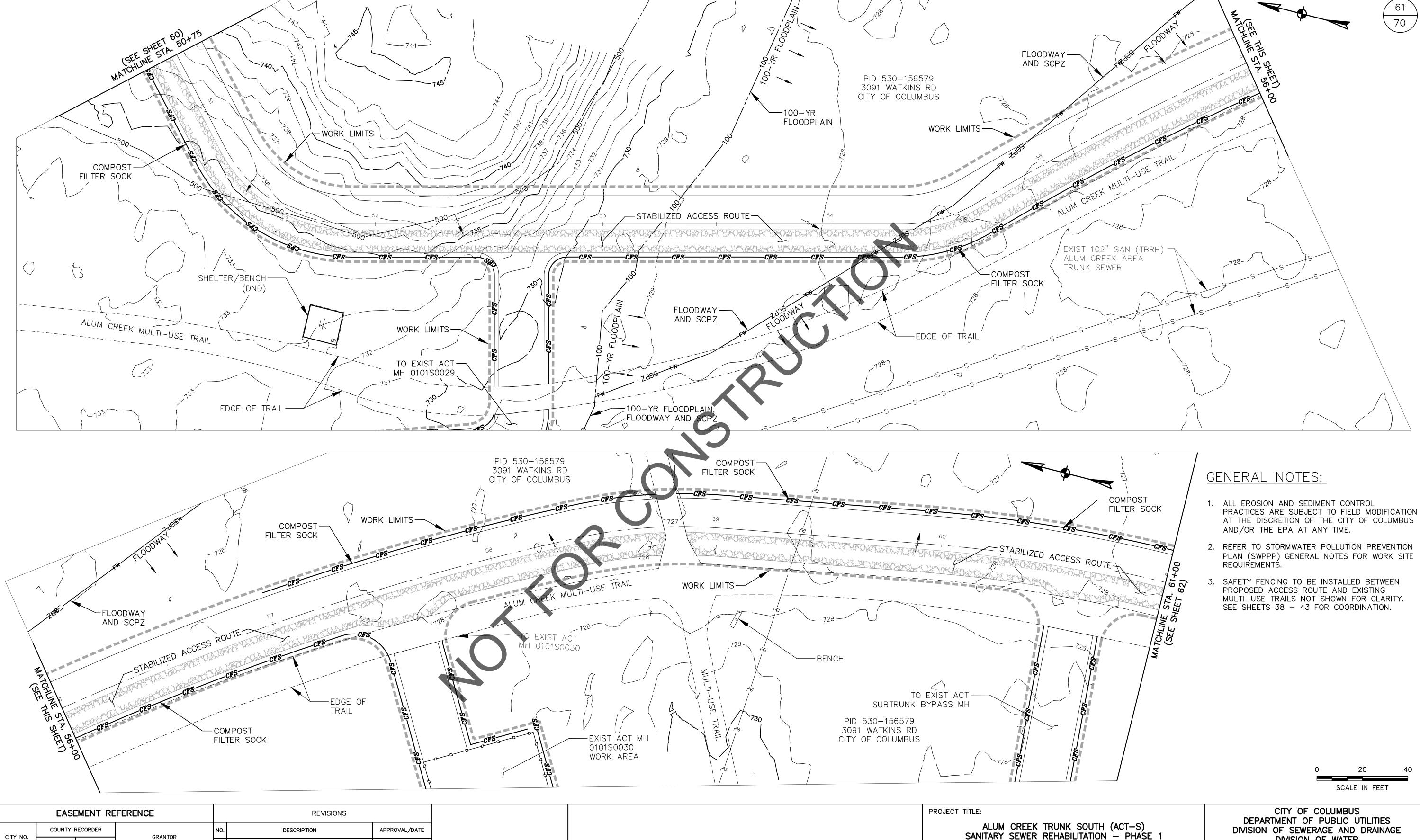
ALUM	CREEK TRUNK SOUTH (ACT-S)	
	SEWER REHABILITATION - PHASE	1
	CIP NO. 650725-100004	

DIVISION OF WATER DIVISION USE ONLY

CITY OF COLUMBUS OWNER ISSUED STATUS: BID CONTRACTOR 59 of 70 INSPECTOR SCALE: AS NOTED AGREEMENT COMPLETED CONTRACT DRAWING NO. RPD CKD CLD CON. DR. RECORD PLAN NO. CC-18773 RECORD FILE



EASEMENT REFERENCE REVISIONS			PROJECT TITLE:		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES							
CITY NO.	COUNTY F	RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		ALUM CREEK TRUNK SOUTH SANITARY SEWER REHABILITATION	(ACT-S) - PHASE	1	DIVISION OF SEW	VERAGE AND DRAINAGE
0.117 110.	VOL.	PAGE	GIVINTON					CIP NO. 650725-1000	004	•		N OF WATER ION USE ONLY
							SWPPP PATH DETAILS	CITY OF COLUMBUS	<u> </u>	ANIED.		
							WATKINS RD TO 50+75	CITI OF COLUMBOS	_	MNER RACTOR	ISSUED S	STATUS: BID
							WAINING ND 10 307/3		INS	PECTOR	scale: AS NOTED	SHEET: 60 OF 70
									AGREEMENT	COMPLETED		
										CLD CON. DR.	contract drawing no. CC-18773	RECORD PLAN NO.
									INDEX DETAIL	RECORD FILE		

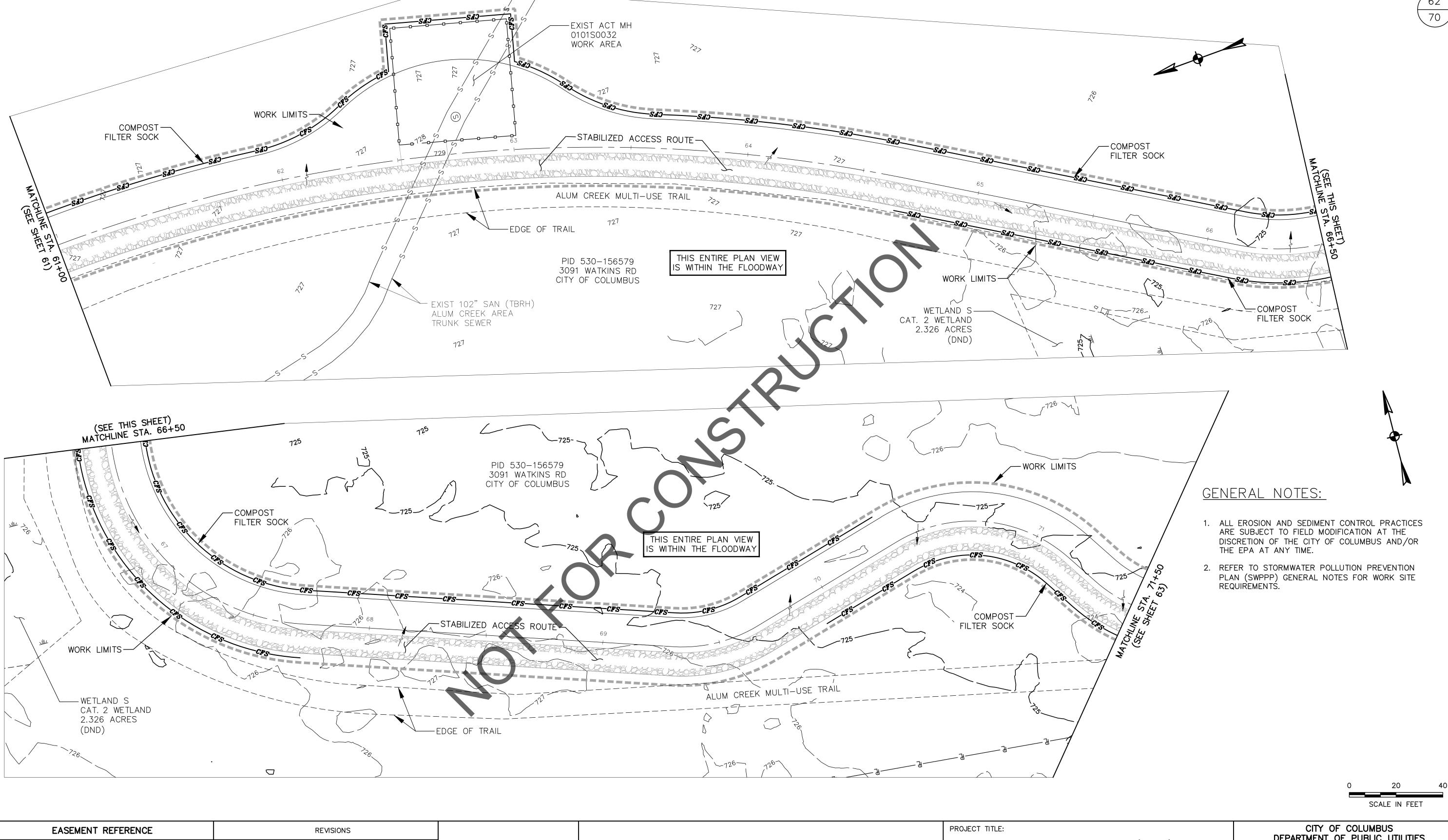


PAGE VOL.

SWPPP PATH DETAILS 50+75 TO 61+00

PROJECT	ALUM CREEK TRUNK SOUTH (SANITARY SEWER REHABILITATION CIP NO. 650725-10000	– PHASE 1	
	CITY OF COLUMBUS	OWNER	

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			R	ISSUED STATUS: BID				
	INSPECTOR			1	scale: AS NOTED	SHEET:	61	OF	70
	AGREEMENT		COMPLETED		SCALE. AS NOTED		0 1		,
	RPD CKD INDEX DETAIL		CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
			RECORD FILE		CC-18773				



	EAS	EMENT RE	FERENCE	REVISIONS				
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		
CITT NO.	VOL.	PAGE	GRANTOR					
						+		

SWPPP PATH DETAILS 61+00 TO 71+50

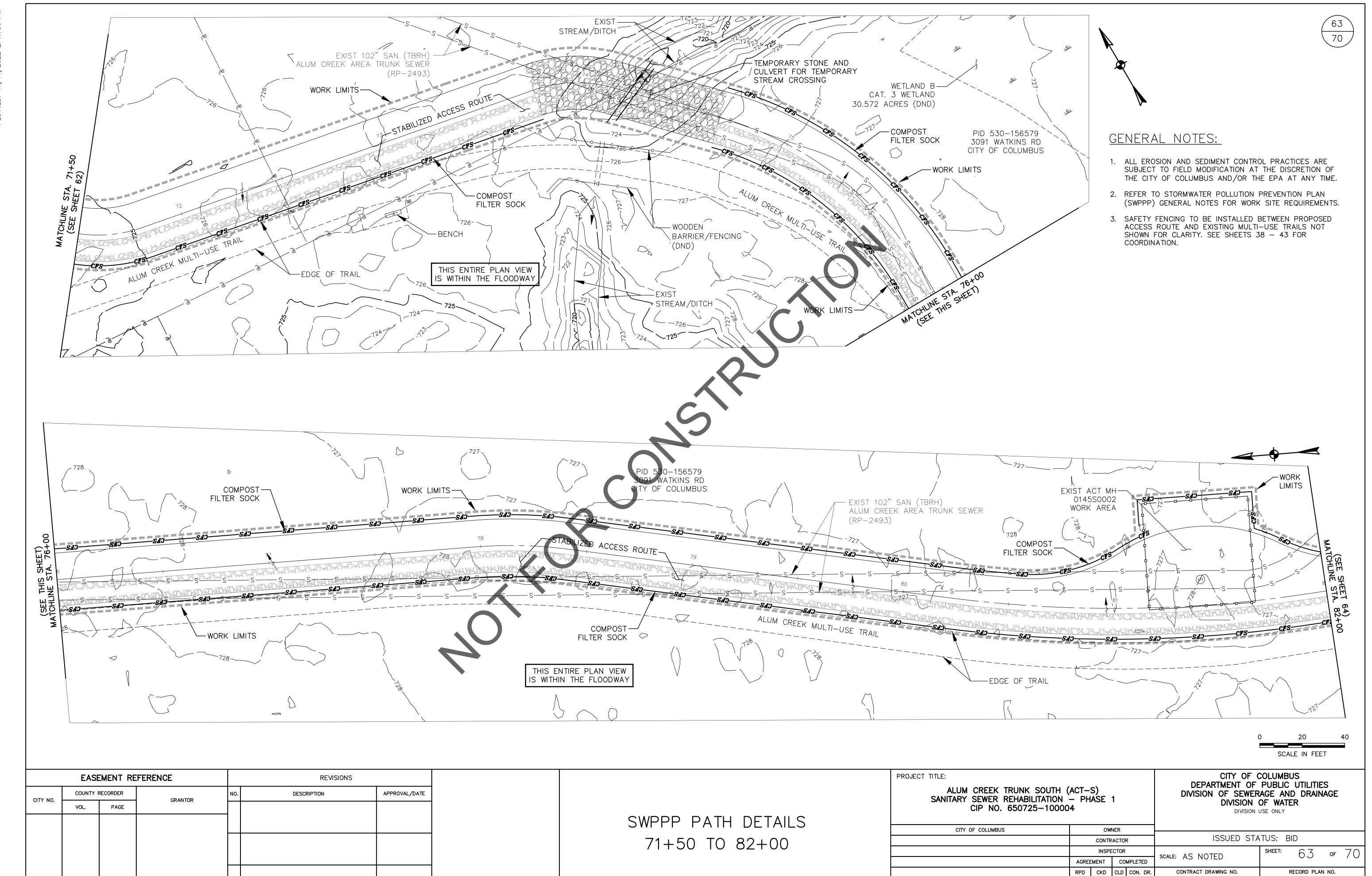
SANITARY SEWER REHABILITATION	ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004							
CITY OF COLUMBUS	OWNER							
	CONTR	ACTOR	ISSUED STATUS: BID					
	INSPE	CTOR	COME. AC NOTED	SHEET:	62	OF	70	
	AGREEMENT		scale: AS NOTED		ΟZ		, 0	

RECORD FILE CONTRACT DRAWING NO.

CC-18773

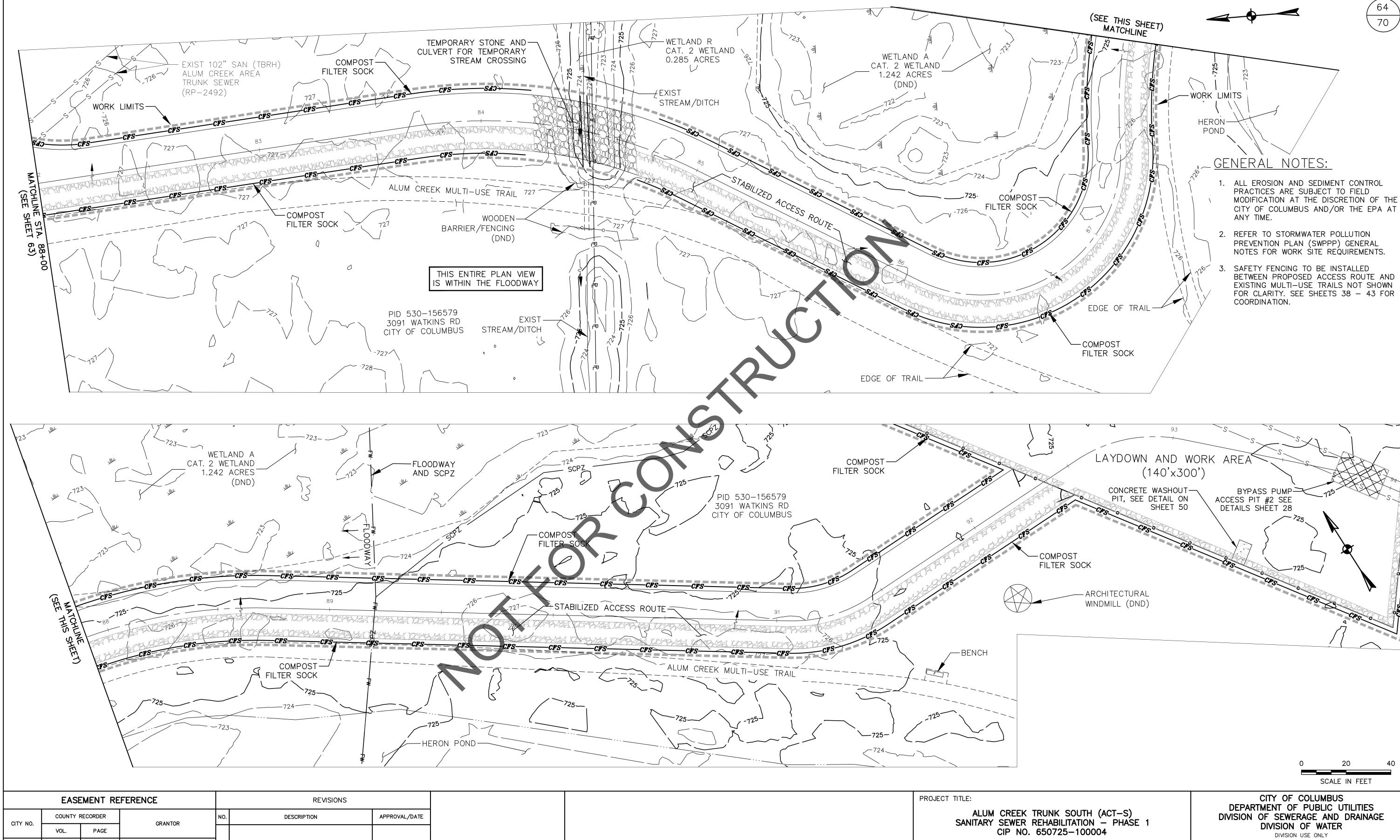
RECORD PLAN NO.

RPD CKD CLD CON. DR.



CC-18773

RECORD FILE



SWPPP PATH DETAILS 82+00 TO SOUTHERN LAYDOWN

ALUM CREEK TRUNK SOI SANITARY SEWER REHABILITA CIP NO. 650725-1	TION - PHASE 1	DEPARTMENT OF I DIVISION OF SEWERA DIVISION U
CITY OF COLUMBUS	OWNER	
	CONTRACTOR	ISSUED STA
	INSPECTOR	

ISSUED STATUS: BID

SHEET: 64 OF 70

CONTRACTOR

INSPECTOR

AGREEMENT COMPLETED

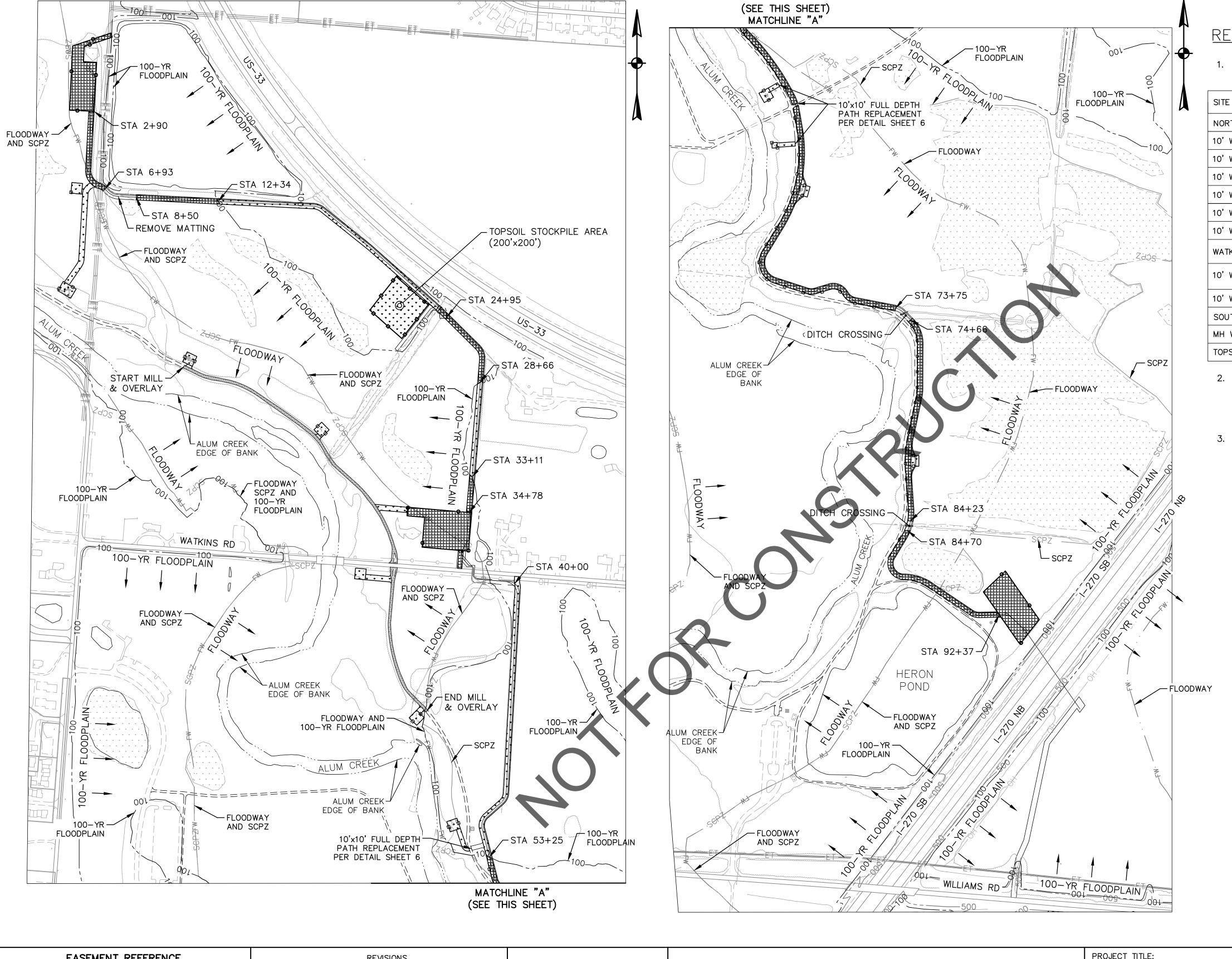
RPD CKD CLD CON. DR.

INDEX RECORD

CONTRACT DRAWING NO.

CC—18773

CC—18773



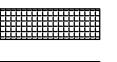
RESTORATION NOTES:

1. UNLESS OTHERWISE SHOWN, RESTORATION OF THE ACCESS ROUTE, LAYDOWN, AND WORK AREAS SHALL INCLUDE THE FOLLOWING:

70

SITE	REMOVE STONE STABILIZATION?	FINAL RESTORATION PLACEMENT
NORTHERN LAYDOWN AND WORK AREA	YES	4" TOPSOIL AND SEEDING
10' WIDE ACCESS PATH (2+90-6+93)	YES	4" TOPSOIL AND SEEDING
10' WIDE ACCESS PATH (8+50-12+34)	YES	4" TOPSOIL AND SEEDING
10' WIDE ACCESS PATH (12+34-24+95)	YES	SEEDING
10' WIDE ACCESS PATH (24+95-28+66)	YES	4" TOPSOIL AND SEEDING
10' WIDE ACCESS PATH (28+66-33+11)	YES	SEEDING
10' WIDE ACCESS PATH (33+11-34+78)	YES	4" TOPSOIL AND SEEDING
WATKINS RD LAYDOWN SITE AND ENTRANCE	YES	4" TOPSOIL AND SEEDING
10' WIDE ACCESS PATH (40+00-53+25)	YES	SEEDING
10' WIDE ACCESS PATH (53+25-92+37)	YES	4" TOPSOIL AND SEEDING
SOUTHERN LAYDOWN AND WORK AREA	YES	4" TOPSOIL AND SEEDING
MH WORK AREAS & SUBTRUNK BYPASS	N/A	SEEDING
TOPSOIL STOCKPILE AREA	N/A	SEEDING

- 3. CONTRACTOR SHALL COORDINATE ALL USE OF THE TRAIL WITH THE CITY OF COLUMBUS, DEPARTMENT OF RECREATION AND PARKS (TINA MOHN, 614-645-3395) AT LEAST 2 WEEKS IN ADVANCE OF ANY WORK ALONG THE TRAIL OR PARK FACILITIES.



4" STONE REMOVED, REPLACE WITH 4-INCHES TOPSOIL AND FINAL SEEDING

* * * * * * * *

SEEDING PER CMS 659, SEED MIX ON SHEET 3



MULTI-USE PATH MILL AND OVERLAY $(T=1-\frac{1}{4}")$

0 250 500 Scale in Feet

	EASEMENT RE	FERENCE		REVISIONS			PROJECT TITLE:				COLUMBUS F PUBLIC UTILITIES
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	10.	DESCRIPTION	APPROVAL/DATE		ALUM CREEK TRUNK SOU SANITARY SEWER REHABILITAT CIP NO. 650725-1	JTH (ACT-S) TION - PHASE	1	DIVISION OF SEWE DIVISION	RAGE AND DRAINAGE OF WATER
							CITY OF COLUMBUS		WNER	DIVISION	N USE ONLY
						FINAL RESTORATION PLAN			RACTOR	ISSUED ST	ATUS: BID
								INSP	PECTOR	SCALE:	SHEET: 65 OF 70
								AGREEMENT	COMPLETED	JOALE.	
								RPD CKD	CLD CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
								INDEX DETAIL	RECORD FILE	CC-18773	

TREE ID

COMMON NAME

SHEET 8 COTTONWOOD

SHEET 9 MULLBERRY

MULLBERRY

UNKNOWN

UNKNOWN

SYCAMORE

BOX ELDER

BOX ELDER

BOX ELDER

HACKBERRY BOX ELDER BOX ELDER

BOX ELDER

BOX ELDER

BOX ELDER

BOX ELDER

BOX ELDER

SHEET 12

SYCAMORE

BOX ELDER

LOCUST (DEAD)

LOCUST

LOCUST

BOX ELDER BOX ELDER

BOX ELDER

BOX ELDER

SYCAMORE

HACKBERRY

SHEET 13

HACKBERRY

ASH (DEAD)

HACKBERRY

CRABAPPLE

HACKBERRY

HACKBERRY

BOX ELDER

UNKNOWN

UNKNOWN

WALNUT

WALNUT

WALNUT

WALNUT

CRABAPPLE

UNKNOWN

UNKNOWN

UNKNOWN

UNKNOWN

UNKNOWN

UNKNOWN

UNKNOWN

UNKNOWN

SHEET 14

WALNUT

WALNUT

10 BOX ELDER

12 SYCAMORE

13 BOX ELDER

CHERRY

4 BOX ELDER

6

3

5

8

9

11

4

5 LOCUST

6 UNKNOWN

SHEET 10 COTTONWOOD

KNOWN		X				
EASEMENT REFERENCE				REVISIONS		
OUNTY RECORDER	R GRANTOR		NO.	DESCRIPTION	APPROVAL/DATE	
DL. PAGE	GRAI	NTOR				
DL.	PAGE					

TREE REMOVAL & REPLACEMENT

WITHIN PROPOSED

MAPLE

MAPLE

MAPLE

MAPLE

MAPLE

COTTONWOOD

COTTONWOOD

WORK LIMITS

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DIAMETER

(INCHES)

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12

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6

2

2

4

10

6

6

8

6

6

8

6

10

10

8

10

8

12

3

3

2

2

INT		TREE REMOVAL & REPLACEMENT							
# TREES TO BE PLANTED IF REMOVED	TREE ID		DIAMETER (INCHES)	WITHIN PROPOSED	# TREES TO BE PLANTED IF REMOVED				
		SHEET 15							
1	1	MAPLE	6	X	1				
		UNKNOWN	4	X					
1		UNKNOWN	3	X					
1		UNKNOWN	3	X					
		UNKNOWN	4	X					
		UNKNOWN	3	X					
		SHEET 16							
1		WALNUT	3	X					
1		SHEET 17							
1	1	BOX ELDER	6	X	1				
1		SYCAMORE	3	X					
1		UNKNOWN	3	X					
1		UNKNOWN	2	X					
		UNKNOWN	3	X					
		UNKNOWN	4	X					
		UNKNOWN	2	X					
		UNKNOWN	2	X					
		UNKNOWN	3	X					
		UNKNOWN	2	X					
		UNKNOWN	4	X					
		UNKNOWN	2	X					
		UNKNOWN	3	X					
		UNKNOWN	2	X					
1		SHEET 18							
1	1	COTTONWOOD	12	X	1				
1	2	BOX ELDER	6	X	1				
1	3	BOX ELDER	6	X	1				
1	4	COTTONWOOD	6	X	1				
1	5	COTTONWOOD	6	X	1				
1	6	COTTONWOOD	8	X	1				
1	7	COTTONWOOD	8	X	1				
1	8	COTTONWOOD	6	X	1				
1	9	MAPLE	6	X	1				
1	10	BOX ELDER	8	X	1				
1		MAPLE	3	X					
1		MAPLE	3	X					
		MAPLE	3	X					
		MAPLE	3	X					
1		MAPLE	3	X					
1		MAPLE	3	X					
1		MAPLE	2	X					
1		MAPLE	2	X					
1		MAPLE	2	X					
1		MAPLE	4	X					
		MAPLE	3	X					
		MAPLE	3	X	X -				
		MAPLE	3	X					
		MAPLE	3	X					
		MAPLE	3	X					
		MAPLE	3	X					
		MAPLE	2						
		MAPLE	2	X					
		MAPLE	4	X					
		MAPLE	4	X					
		MAPLE	2	X					
		MAPLE	2	X					
		MAPLE	5	X					
		MAPLE MAPLE	3	X					
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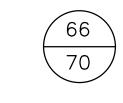
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TREE ID	COMMON NAME	DIAMETER (INCHES)	WITHIN PROPOSED WORK LIMITS	# TREES TO BE PLANTED IF REMOVED
"	SHEET 18 CONT.	(11121123)	WORK ZIMITO	TI NEW VED
	BOX ELDER	3	X	
	BOX ELDER	2	X	
	BOX ELDER	3	X	
	BOX ELDER	4	X	
	SYCAMORE	4	X	
	MULBERRY	4	X	
	SHEET 19	'	^	
1	UNKNOWN	6	X	1
2	UNKNOWN	6	X	1
3	UNKNOWN	6	X	1
4	UNKNOWN	8	X	1
5	UNKNOWN	8	X	1
6	UNKNOWN	6	X	1
0	UNKNOWN	2	X	'
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	2	^	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN		X	
	UNKNOWN	2	X	
	UNKNOWN	2	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	3	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	
	UNKNOWN	4	X	

APPROVED REPLACEMENT TREE SPECIES LIST

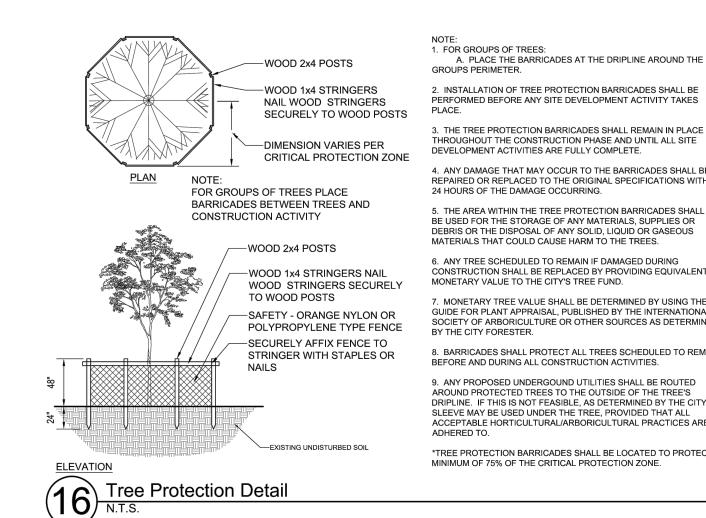
BOTANICAL NAME COMMON NAME CELTUS OCCIDENTALIS HACKBERRY SILVER MAPLE ACER SACCHARINUM AMERICAN SYCAMORE PLATANUS OCCIDENTALIS SWAMP WHITE OAK QUERCUS BICOLOR QUERCUS RUBRA RED OAK SHINGLE OAK QUERCUS IMBRICARIA BUR OAK QUERCUS MACROCARPA QUERCUS PALUSTRIS PIN OAK TILIA AMERICANA AMERICAN LINDEN



	MAIN BYPASS/ACC	CESS PATH	TREE REMOVAL &	& REPLACEMENT
TREE ID	COMMON NAME	DIAMETER (INCHES)	WITHIN PROPOSED WORK LIMITS	# TREES TO BE PLANTED IF REMOVED
	SHEET 37			
1	UNKNOWN	UNKNOWN	X	1
2	UNKNOWN	UNKNOWN	X	1
	UNKNOWN	UNKNOWN	X	
	SHEET 41			
1	UNKNOWN	UNKNOWN	X	1
2	UNKNOWN	UNKNOWN	X	1
	UNKNOWN	UNKNOWN	X	
	UNKNOWN	UNKNOWN	X	

NOTES:

- 1. ONLY TREES WITHIN THE PROPOSED WORK LIMITS SHOWN ON SHEETS 8 - 20 ARE LISTED IN THE TABLES.
- 2. ONLY TREES WITHIN THE PROPOSED WORK LIMITS ARE PERMITTED TO BE REMOVED, AND ONLY IF THE CONTRACTOR DEEMS IT IS ABSOLUTELY NECESSARY TO REMOVE THE TREE. TREES REMOVED ARE TO BE REPLACED ACCORDING TO THE TABLE. A LIST OF APPROVED REPLACEMENT TREES CAN BE FOUND ON THIS SHEET.
- 3. PLEASE SEE GENERAL NOTE 15 TREE PRESERVATION BEFORE BEGINNING ANY TREE CLEARING OR TRIMMING ACTIVITIES.
- 4. REPLACEMENT TREE SIZE SHALL BE CONTAINER #15.



FOR GROUPS OF TREES:
 A. PLACE THE BARRICADES AT THE DRIPLINE AROUND THE

3. THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL ALL SITE

DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE. 4. ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS WITHIN 24 HOURS OF THE DAMAGE OCCURRING.

5. THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR THE STORAGE OF ANY MATERIALS, SUPPLIES OR DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIALS THAT COULD CAUSE HARM TO THE TREES. 6. ANY TREE SCHEDULED TO REMAIN IF DAMAGED DURING

MONETARY VALUE TO THE CITY'S TREE FUND. 7. MONETARY TREE VALUE SHALL BE DETERMINED BY USING THE GUIDE FOR PLANT APPRAISAL, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR OTHER SOURCES AS DETERMINED

8. BARRICADES SHALL PROTECT ALL TREES SCHEDULED TO REMAIN BEFORE AND DURING ALL CONSTRUCTION ACTIVITIES.

AROUND PROTECTED TREES TO THE OUTSIDE OF THE TREE'S DRIPLINE. IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE CITY, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED THAT ALL ACCEPTABLE HORTICULTURAL/ARBORICULTURAL PRACTICES ARE

*TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.

TREE PROTECTION DETAIL NOT TO SCALE

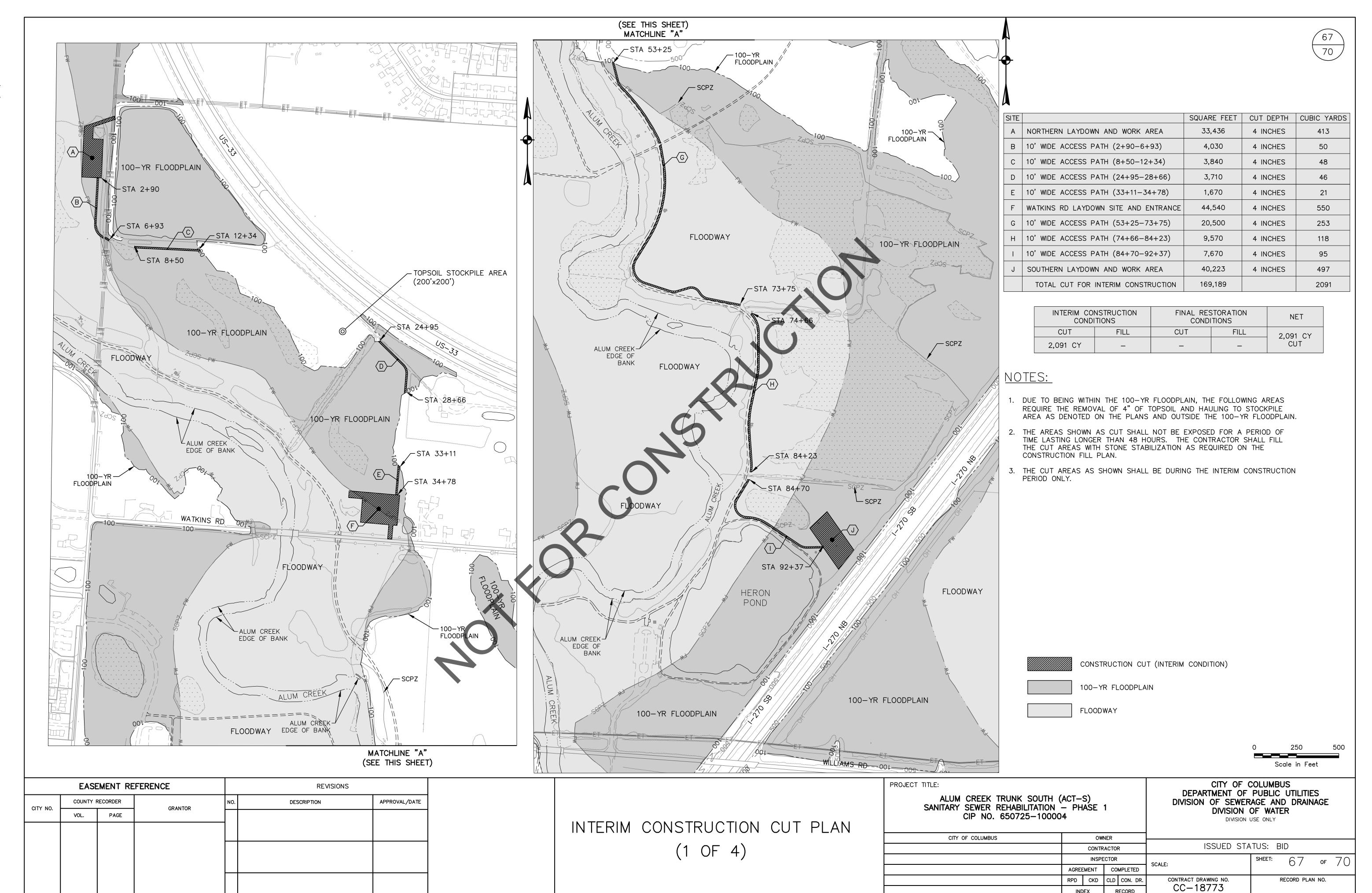
TREE REPLACEMENT TABLE AND DETAILS

PROJECT TITLE: ALUM CREEK TRUNK SOUTH (ACT-S) SANITARY SEWER REHABILITATION - PHASE 1 CIP NO. 650725-100004

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION OF WATER

DIVISION USE ONLY

CITY OF COLUMBUS	OWNER								
	CONTRACTOR			PR	ISSUED STATUS: BID				
		INSPECTOR		₹	SCALE:	SHEET:	66	OF	70
	AGREEMENT COMPLETED		MPLETED	SCALE:				, 0	
	RPD CKD CLD CON. DR.		CON. DR.	CONTRACT DRAWING NO.		RECORD PLA	N NO.		
	INDEX DETAIL		RECORD FILE		CC-18773				



RECORD FILE (SEE THIS SHEET)
MATCHLINE "A"

∕−STA 53+25 °

SITE		SQUARE FEET	FILL DEPTH	CUBIC YARDS
Α	NORTHERN LAYDOWN AND WORK AREA	33,436	4 INCHES	413
В	10' WIDE ACCESS PATH (2+90-6+93)	4,030	4 INCHES	50
С	10' WIDE ACCESS PATH (8+50-12+34)	3,840	4 INCHES	48
C1*	10' WIDE ACCESS PATH (12+34-24+95)	12,610	4 INCHES	156
D	10' WIDE ACCESS PATH (24+95-28+66)	3,710	4 INCHES	46
D1*	10' WIDE ACCESS PATH (28+66-33+11)	4,450	4 INCHES	55
Е	10' WIDE ACCESS PATH (33+11-34+78)	1,670	4 INCHES	21
F	WATKINS RD LAYDOWN SITE AND ENTRANCE	44,540	4 INCHES	550
F1*	WATKINS RD CONSTRUCTION ENTRANCE (S)	2,500	4 INCHES	31
F2*	10' WIDE ACCESS PATH (40+64-53+25)	12,610	4 INCHES	156
G	10' WIDE ACCESS PATH (53+25-73+75)	20,500	4 INCHES	253
Н	10' WIDE ACCESS PATH (74+66-84+23)	9,570	4 INCHES	118
- 1	10' WIDE ACCESS PATH (84+70-92+37)	7,670	4 INCHES	95
J	SOUTHERN LAYDOWN AND WORK AREA	40,223	4 INCHES	497
	SUBTOTAL STONE FILL WITHIN FLOODPLAIN	169,189		2,091

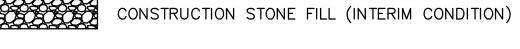
SITE		FENCING LENGTH	FENCING HEIGHT	FENCE TYPE	CUBIC YD
Α	NORTHERN LAYDOWN AND WORK AREA	1,125 LF	8 FT	CLT	14
C2*	TOPSOIL STOCKPILE AREA	800 LF	6 FT	ORANGE MESH	4
F	WATKINS RD LAYDOWN SITE AND ENTRANCE	960 LF	8 FT	CLT	12
J	SOUTHERN LAYDOWN AND WORK AREA	863 LF	8 FT	CLT	11
G,H,I	BYPASS ACCESS PATH (53+55-86+11)	3,299 LF	6 FT	ORANGE MESH	15
_	MANHOLES (2 MAXIMUM AT A TIME)	400 LF	6 FT	CLT	4
	56				

		NUMBER OF PIPES	PIPE DIAMETER	BYPASS LENGTH	CUBIC YARDS
*	BYPASS PIPING OUTSIDE FLOODPLAIN	3	24 INCHES	3,140 LF	1,096
	BYPASS PIPING WITHIN FLOODPLAIN	3	24 INCHES	6,165 LF	2,152

INTERIM COI CONDI	NSTRUCTION TIONS	FINAL RES CONDI	NET	
CUT	FILL	CUT	FILL	2,208 CY
2,091 CY	4,299 CY	-	_	FILL

NOTES:

- 1. THE FILL AREAS AS SHOWN SHALL BE DURING THE INTERIM CONSTRUCTION PERIOD ONLY. SEE THE FINAL RESTORATION CUT AND FILL SHEETS FOR FINAL CONDITIONS.
- * INDICATES FILL OUTSIDE THE FLOODPLAIN. NOT INCLUDED WITHIN THE TOTAL CUT AND FILL VOLUME CALCULATIONS.



100-YR FLOODPLAIN

FLOODWAY

0	250	50
	Scale in Feet	

	EASI	MENI KE	EFERENCE	REVISIONS			
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE	
CITT NO.	VOL.	PAGE	GRANTOR				

INTERIM CONSTRUCTION FILL PLAN
(2 OF 4)

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1
CIP NO. 650725-100004

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION OF WATER
DIVISION USE ONLY

CITY OF COLUMBUS

CONTRACTOR

INSPECTOR

AGREEMENT

COMPLETED

RPD

CKD

CKD

CLD

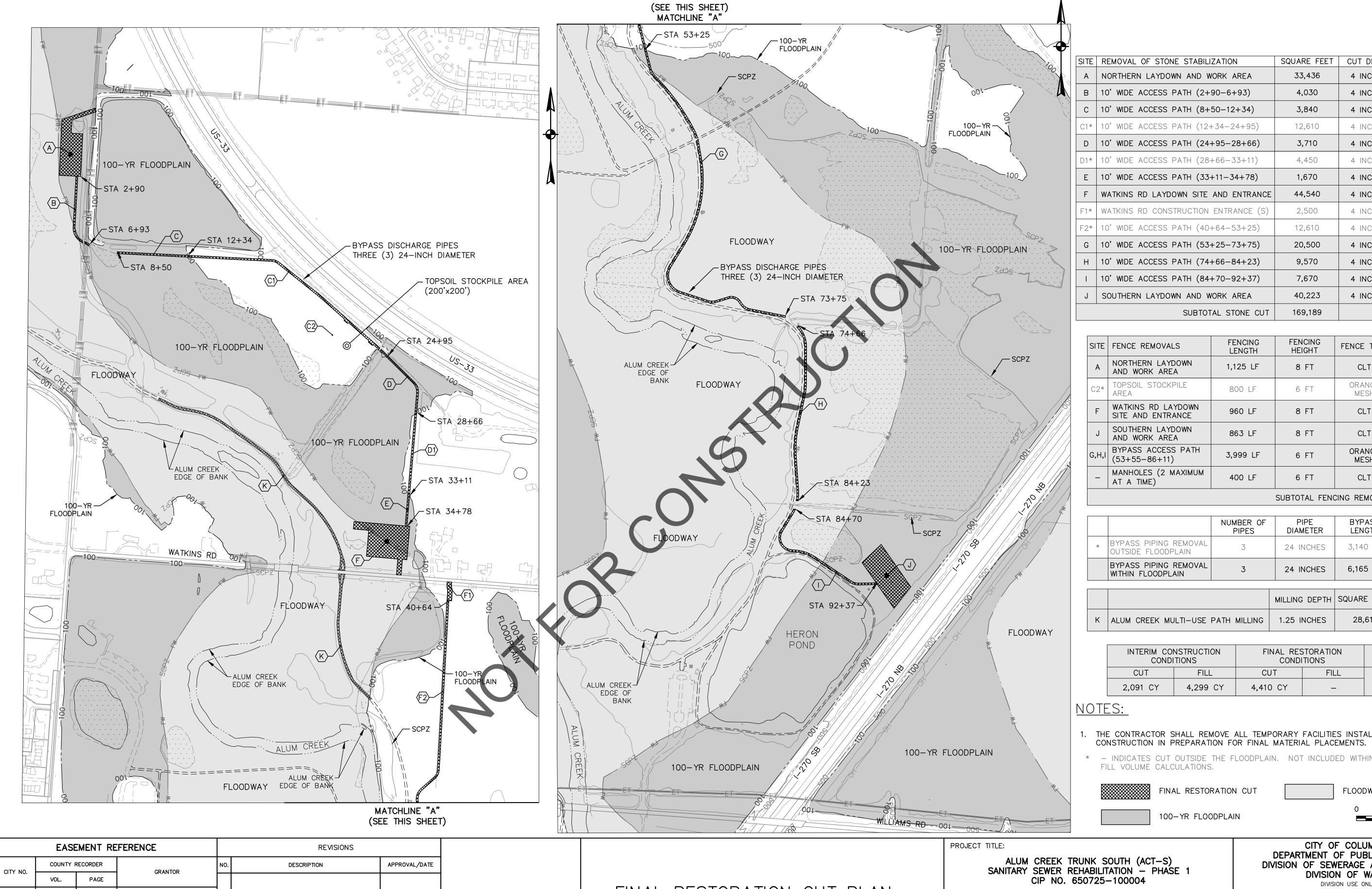
CON. DR.

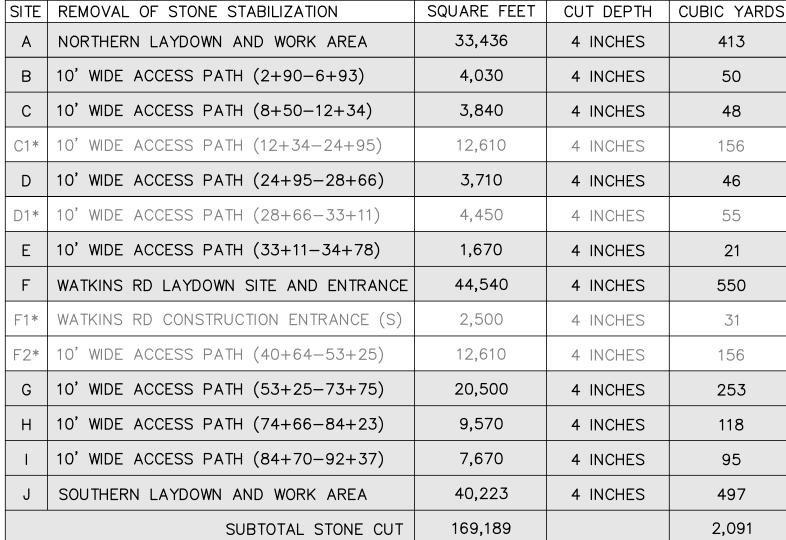
CONTRACT DRAWING NO.

CC—18773

CC—18773

RECORD FILE





69

70

SITE	FENCE REMOVALS	FENCING LENGTH	FENCING HEIGHT	FENCE TYPE	CUBIC YD
Α	NORTHERN LAYDOWN AND WORK AREA	1,125 LF	8 FT	CLT	14
C2*	TOPSOIL STOCKPILE AREA	800 LF	6 FT	ORANGE MESH	4
F	WATKINS RD LAYDOWN SITE AND ENTRANCE	960 LF	8 FT	CLT	12
J	SOUTHERN LAYDOWN AND WORK AREA	863 LF	8 FT	CLT	11
G,H,I	BYPASS ACCESS PATH (53+55-86+11)	3,999 LF	6 FT	ORANGE MESH	15
_	MANHOLES (2 MAXIMUM AT A TIME)	400 LF	6 FT	CLT	4
	56				

		NUMBER OF PIPES	PIPE DIAMETER	BYPASS LENGTH	CUBIC YARDS
*	BYPASS PIPING REMOVAL OUTSIDE FLOODPLAIN	3	24 INCHES	3,140 LF	1,096
	BYPASS PIPING REMOVAL WITHIN FLOODPLAIN	3	24 INCHES	6,165 LF	2,152

		MILLING DEPTH	SQUARE FEET	CUBIC YARDS
К	ALUM CREEK MULTI-USE PATH MILLING	1.25 INCHES	28,611	111

	NSTRUCTION TIONS	FINAL RES	NET	
CUT	FILL	CUT	FILL	2,202 CY
2,091 CY	4,299 CY	4,410 CY	_	CUT

- 1. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY FACILITIES INSTALLED DURING CONSTRUCTION IN PREPARATION FOR FINAL MATERIAL PLACEMENTS.
- * INDICATES CUT OUTSIDE THE FLOODPLAIN. NOT INCLUDED WITHIN THE TOTAL CUT AND FILL VOLUME CALCULATIONS.

FINAL RESTORATION CUT 100-YR FLOODPLAIN

FLOODWAY Scale in Feet

FINAL RESTORATION CUT PLAN (3 OF 4)

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1

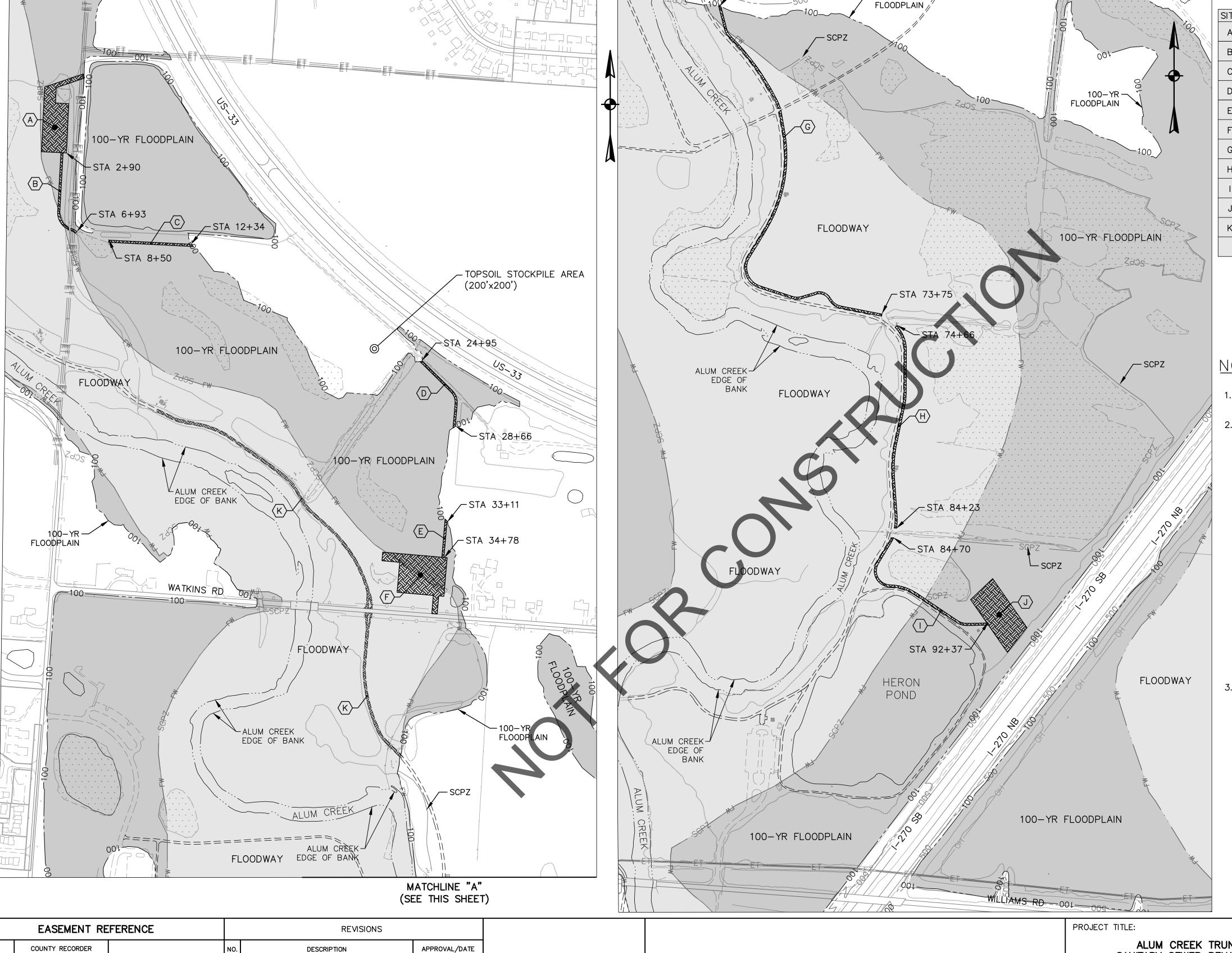
CITY OF COLUMBUS	OWNER								
	CONTRACTOR			२	ISSUED STATUS: BID				
	INSPECTOR			SCALE:	SHEET:	69	OF	70	
	AGREE	EMENT	ENT COMPLETED		SUALL.				,
	RPD	RPD CKD CLD CON. DR.		CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
		INDEX RECORD DETAIL FILE			CC-18773				

CITY NO.

VOL.

PAGE

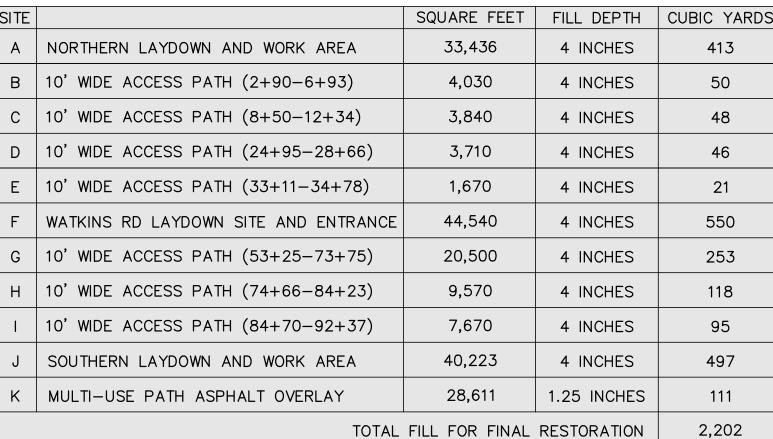
GRANTOR



(SEE THIS SHEET)
MATCHLINE "A"

-STA 53+25

-100-YR



70

INTERIM CONSTRUCTION CONDITIONS		FINAL RES CONDI	NET	
CUT	FILL	CUT	FILL	
2,091 CY	4,299 CY	4,410 CY	2,202 CY	0 CY

NOTES:

- 1. THE CONTRACTOR SHALL ENSURE THAT THERE IS NO NET FILL AT THE CONCLUSION OF CONSTRUCTION ACTIVITIES AND PRIOR TO FINAL COMPLETION OF THE PROJECT.
- 2. UPON COMPLETION OF THE FILL IN CONJUNCTION WITH THIS MASS GRADING PLAN, AN APPLICATION FOR A LETTER OF MAP REVISION (LOMR) WILL NOT BE SUBMITTED TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), THUS ANY FUTURE SUBMITTAL TO FEMA WILL FIRST REQUIRE A NEW GRADE AND FILL PLAN WITH PROOF AS THE FILL USED AND PROPER PLACEMENT, INCLUDING COMPACTION. PRIOR TO THE EFFECTIVE DATE OF THE LOMR, A BUILDING CONSTRUCTED WITHIN THE DESIGNATED FILL AREA WILL BE ELEVATED AND/OR DRY FLOOD PROOFED IN ACCORDANCE WITH THE REQUIREMENTS OF C.C. CHAPTER 1150, FLOODPLAIN MANAGEMENT, OR THE COLUMBUS WATER, SEWER, AND ELECTRICITY CODE. FILLING MAY BE ALLOWED IN THE FLOODWAY FRINGE ONLY IF ASSOCIATED WITH A GRADE AND FILL PLAN. THE GRADE AND FILL PLAN SHALL BE FULLY DETAILED AND SUBMITTED AS PART OF AN APPLICATION FOR A CERTIFICATE OF ZONING CLEARANCE HAS BEEN ISSUED FOR GRADING AND FILLING. REGARDLESS OF ANY DETERMINATION ISSUED BY FEMA TO REMOVE AN AREA FILLED AS PERMITTED AND APPROVED FROM THE DESIGNATED SPECIAL FLOOD HAZARD AREA (SFHA), DEVELOPMENT WITHIN THAT AREA OF FILL SHALL BE CONSTRUCTED WITH THE LOWEST FLOOR LEVEL, EXCLUDING A BASEMENT OF CRAWL SPACE, AT OR ABOVE THE FLOOD PROTECTION ELEVATION. THE LOWEST GRADE ADJACENT TO A BUILDING OR STRUCTURE TO BE CONSTRUCTED WITHIN THE DESIGNATED FILL AREA SHALL BE AT OR ABOVE THE FLOOD PROTECTION ELEVATION, WITH THAT GRADE ELEVATION TO EXTENT AT LEAST TWENTY (20) FEET FROM THE PROPOSED BUILDING TOWARDS THE FLOODWAY OR FLOODING SOURCE. IN ADDITION, A RESIDENTIAL DWELLING WITHIN THE DESIGNATED FILL AREA MUST HAVE A MEANS OF INGRESS AND EGRESS AT OR ABOVE THE BASE FLOOD ELEVATION THAT EXTENDS CONTINUOUSLY FROM THE DWELLING TO A LOCATION OUTSIDE THE SPECIAL FLOOD HAZARD AREA WITHIN THE SUBJECT SITE.
- 3. REASONABLE SAFE FROM FLOODING: ALL STRUCTURES ASSOCIATED WITH FUTURE DEVELOPMENT WITHIN THE AREA OF THE FLOODPLAIN FILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD OF BEING "REASONABLE SAFE FROM FLOODING," AS OUTLINED IN TECHNICAL BULLETIN 10-01, DATED MAY 2001, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) OR SUCCESSOR DOCUMENTS.

FINAL RESTORATION FILL

100-YR FLOODPLAIN

FLOODWAY

0 250 50 Scale in Feet

PLAN	

FINAL RESTORATION FILL

(4 OF 4)

ALUM CREEK TRUNK SOUTH (ACT-S)
SANITARY SEWER REHABILITATION - PHASE 1
CIP NO. 650725-100004

CITY OF COLUMBUS	OWNER								
	CONTRACTOR				ISSUED STATUS: BID				
	INSPECTOR				SCALE:	SHEET:	70	OF	70
	AGREEMENT		COMPLETED		SUALL.		, 0		,)
	RPD CKD		CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.			
	INDEX DETAIL		RECORD FILE		CC-18773				