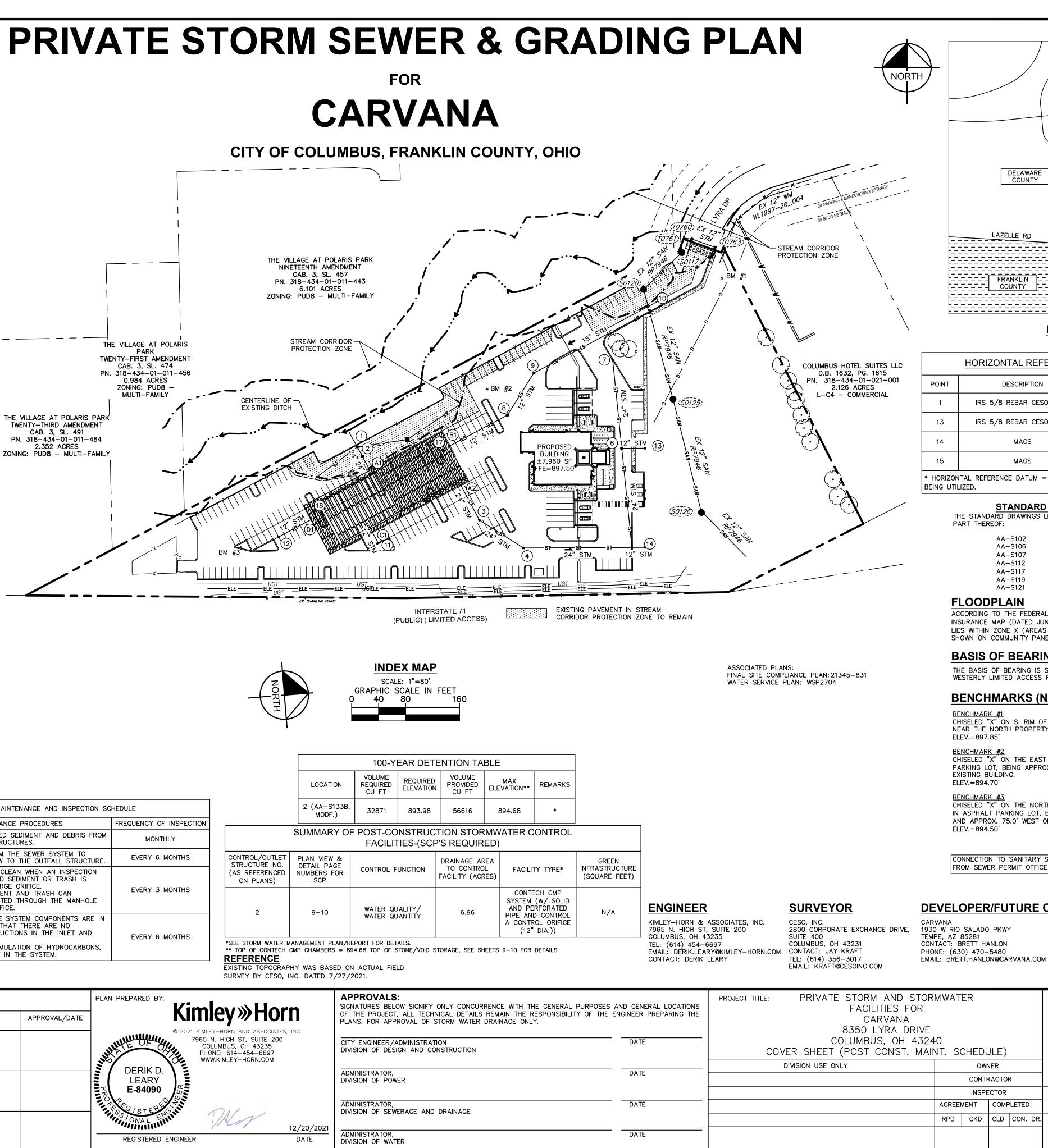


	Sheet List Table				
Sheet Number Sheet Title					
1	COVER SHEET (POST CONST. MAINT. SCHEDULE)				
2	GENERAL NOTES				
3	GENERAL NOTES				
4	DEMOLITION PLAN				
5	GRADING PLAN				
6	GRADING DETAILS				
7	STORM SEWER PROFILES				
8	STORM SEWER PROFILES				
9	CONTECH CONSTRUCTION DETAILS				
10	CONTECH CONSTRUCTION DETAILS				
11	STORMWATER POLUTION PREVENTION PLAN				
12	SWPPP NOTES & DETAILS				
13	SWPPP NOTES & DETAILS				

			ESTIMATE OF QUANTITIES	
ITEM	QUANTITY	UNIT	DESCRIPTION	
			EARTHWORK	
201	1	SUM	CLEARING AND GRUBBING	
202	1461	LF	STORM PIPE REMOVAL	
202	2	EA	MANHOLE REMOVED	
202	5	EA	CATCH BASIN REMOVED	
			EROSION AND SEDIMENT CONTROL	
203	4910	CY	EXCAVATION INCLUDING EMBANKMENT	
204	14177	SY	SUBGRADE COMPACTION	
207	335	SY	STABILIZED CONSTRUCTION ENTRANCE	
207	11	EA	INLET PROTECTION	
207	704	LF	PERIMETER SILT FENCE	
659	19429	SY	SEEDING AND MULCHING, CLASS 1	
			STORM SEWER	
901	340	LF	12" STORM PIPE, WITH TYPE 1 BEDDING	
901	106	LF	12" STORM PIPE, WITH WATER TIGHT JOINT	
901	280	LF	18" STORM PIPE, WITH TYPE 1 BEDDING	
901	405	LF	24" STORM PIPE, WITH TYPE 1 BEDDING	
604	1	EA	TYPE 'C' MANHOLE (AA-S102), SOLID LID (AA-S112)	
604	3	EA	2' X 2' CATCH BASIN (AA-S133A), WITH GRATE (AA-S141)	
604	5	EA	CURB INLET MH (AA-S121), WITH LID (AA-S142)	
SPEC	1	SUM	CONTECH CMP DETENTION SYSTEM (60" WET EXTENDED RETENTION SYSTEM), 11 ROWS, 814.00 LF OF PERFORATED PIPE, 1151.75 LF OF SOLID PIPE (AS PER PLAN, SEE SHEETS 9–10)	



# SITE DATA TABLE

SITE AREA	338,350 SF (7.77 AC.)
TOTAL DISTURBED AREA	165,546 SF (3.80 AC)
PRE-DEVELOPED ONSITE IMPERVIOUS ARE	A 246,462 SF (5.66 AC)
POST-DEVELOPED ONSITE IMPERVIOUS AR	REA 268,024 SF (6.15 AC)

SCP WATER QUALITY STRUCTURE NOTICE THE WATER QUALITY OUTLET CONTROL LOCATED IN THE CONTECH CMP DETENTION SYSTEM AT N2, THE 100-YEAR CONTROL RELEASE ORIFICE LOCATED IN STRUCTURE 2 AND THE UNDERGROUND DETENTION FACILITY ARE AN INTEGRAL PART OF THE PRIVATE STORM SEWER SYSTEM DEPICTED IN THESE DRAWINGS. RESPONSIBILITY AND ASSURANCE OF PERIODIC MAINTENANCE AND THE CONTINUOUS FUNCTIONALITY OF THESE STORMWATER DEVICE IS PERPETUAL; BEGINNING WITH THE OWNER AT THE TIME OF INSTALLATION AND CONTINUING TO ALL FUTURE OWNERS OF SAID PRIVATE STORM SEWER SYSTEM. STORM WATER QUALITY DESIGN FOR THIS PROJECT IS COMPLIANT WITH OHIO EPA GENERAL CONSTRUCTION STORM WATER PERMIT NO. OHCOO0005, ISSUED 4/23/2018.

	POST-CONSTRUCTION MAINTENANCE AND INSPECTION SCHEDULE					
INSPECTION ITEM	MAINTENANCE PROCEDURES	FREQUEN				
INLET/OUTLET STRUCTURE	-REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM INLET AND OUTLET STRUCTURES.					
STORM SEWER SYSTEM	-REMOVE DEBRIS FROM THE SEWER SYSTEM TO ENSURE POSITIVE FLOW TO THE OUTFALL STRUCTURE.	EVEF				
STORMWATER PIPES SEDIMENT ACCUMULATION	-SYSTEM SHOULD BE CLEAN WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE. -ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE.	EVEF				
STORMWATER SCP STRUCTURE (CONTECH CMP DETENTION SYSTEM)	-ASCERTAIN THAT THE SYSTEM COMPONENTS ARE IN WORKING ORDER AND THAT THERE ARE NO BLOCKAGES OR OBSTRUCTIONS IN THE INLET AND SEPARATION SCREEN. -QUANTIFY THE ACCUMULATION OF HYDROCARBONS, TRASH, AND SEDIMENT IN THE SYSTEM.	EVEF				

Carvane			EASEMENT REF	ERENCE		REVISIONS	PLAN PREPARED	
14021_ cepts c	CITY NO.	COUNTY R	ECORDER		NO.	DESCRIPTION	APPROVAL/DATE	
\19001 he con		VOL.	PAGE	GRANTOR				WHE OF
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POLARIS PKWY LYRA DR DELAWARE COUNTY LAZELLE RD + + + + WESTERVILLE + FRANKLIN + + + + + + COUNTY + + + + + + + + + + + + + + + + + + + - - - - - - <u>- - - - -</u> <u>}-|+++++++</u>

### LOCATION MAP SCALE: 1"=1000'

HORIZONTAL REFERENCE POINTS (OHIO SOUTH ZONE)\* NAVD88 POINT DESCRIPTION NORTHING EASTING ELEV IRS 5/8 REBAR CESO TRAV 778971.31 1836568.95 899.85 IRS 5/8 REBAR CESO TRAV 779663.41 1836546.33 897.62 13 MAGS 779006.12 1836278.50 896.74 14 15 MAGS 779312.61 1836124.32 895.42 HORIZONTAL REFERENCE DATUM = NAD 83 (2011) SET/FOUND HORIZONTAL CONTROL POINTS BEING UTILIZED.

#### STANDARD CONSTRUCTION DRAWINGS THE STANDARD DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A

AA-S102
AA-S106
AA-S107
AA-S112
AA-S117
AA-S119
AA-S121

AA-S133A AA-S133B AA-S1139 AA-S141 AA-S142 AA-S145 AA-S149

AA-S150 AA-S151 1441 7/01/21 2010 7/01/21 2202 7/01/20 2300 7/01/21

# FLOODPLAIN

PART THEREOF:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE MAP (DATED JUNE 17, 2008), THE PROJECT AREA SHOWN HEREON LIES WITHIN ZONE X (AREAS TO BE OUTSIDE 500-YEAR FLOOD PLAIN) AS SHOWN ON COMMUNITY PANEL NO. 39049C0063K.

## **BASIS OF BEARING**

THE BASIS OF BEARING IS SOUTH 03" 30' 46" WEST FOR A PORTION OF THE WESTERLY LIMITED ACCESS RIGHT OF WAY LINE OF INTERSTATE 71.

# BENCHMARKS (NAVD 88) 🕁

### BENCHMARK #1

CHISELED "X" ON S. RIM OF A TOP OF CASTING ON A WATER METER PIT VAULT NEAR THE NORTH PROPERTY LINE OF SITE. ELEV.=897.85'

BENCHMARK #2 CHISELED "X" ON THE EAST RIM OF A STORM MANHOLE LOCATED IN ASPHALT PARKING LOT, BEING APPROX. 140.3' WEST FROM THE SOUTHWEST CORNER OF EXISTING BUILDING. ELEV.=894.70'

## BENCHMARK #3

CHISELED "X" ON THE NORTHEAST CORNER OF A STORM CATCH BASIN LOCATED IN ASPHALT PARKING LOT, BEING APPROX. 95.7' NORTH OF EXISTING FENCE LINE AND APPROX. 75.0' WEST OF THE EXISTING FENCE LINE. ELEV.=894.50'

CONNECTION TO SANITARY SEWER CANNOT BE MADE UNTIL PERMIT IS OBTAINED FROM SEWER PERMIT OFFICE AT 111 N. FRONT STREET. (614) 645-7490.

# **DEVELOPER/FUTURE OWNER**

# CURRENT OWNER

NATIONAL RETAIL PROPERTIES LP 8350 LYRA DR COLUMBUS, OH 43240

PM 979/1108

VATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324 EET (POST CONST. MAIN	-0		JLE)		CITY OF CO DEPARTMENT OF PI DIVISION OF SEWERAG DIVISION USE	UBLIC UTILITIES SE AND DRAINAGE
JSE ONLY		OW	NER			
		CONT	RACTO	R		
		INSPE	ECTOR		SCALE: AS SHOWN	SHEET:
	AGREEMENT COMPLETED			PLETED		1 OF 13
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
					CC-19432	

CITY OF COLUMBUS

	1. T⊦ (0 AF	07/01/2021), RE A PART O	INCLUDING ALL REVI F THIS PLAN UNLES	SIONS AND SUPPLEMENTS THERETO S NOTED OTHERWISE.	ONS (CMSC), 2018 EDITION, REVISION D, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT	SPECTRUM 1266 DUBLIN ROAD COLUMBUS, OHIO 43215 614–481–5262			
Inc.		OF CONSTRUCTION:				<u>STREAM CORRIDOR PROTECTION ZONE:</u> IT SHALL BE UNLAWFUL FOR ANY PERSON TO BREAK, DEFACE, INJURE, MUTILATE, KILL OR DESTROY ANY TREE, SHRU EVERGREEN IN THE "STREAM CORRIDOR PROTECTION ZONE"" IN THE CITY OF COLUMBUS.			
and Associates,	AL EX TH (1	LL EXISTING L XPOSE ALL U HE PROPOSED 1-800-362-2	JTILITIES AND APPUR TILITIES OR STRUCTU CONSTRUCTION. THI 2764) 48 HOURS PRI	TENANCES WHETHER SHOWN ON TH RES PRIOR TO CONSTRUCTION TO V E CONTRACTOR SHALL CALL, TOLL I OR TO CONSTRUCTION AND SHALL	I, SUPPORT, PROTECTION, AND RESTORATION OF HESE PLANS OR NOT. THE CONTRACTOR SHALL VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON FREE, THE OHIO UTILITIES PROTECTION SERVICE NOTIFY ALL UTILITY COMPANIES AT LEAST 48	UNLESS OTHERWISE EXEMPT, ALL DEVELOPMENT AND REDEVELOPMENT PROJECTS THAT INCLUDE A PORTION OF THE S CORRIDOR PROTECTION ZONE MUST MINIMIZE ALTERATIONS OF THE STREAM, KEEP NEW STRUCTURES OUT OF THE STR CORRIDOR PROTECTION ZONE, AND MAINTAIN A RIPARIAN CORRIDOR ALONG THE STREAM TO MINIMIZE STREAMBANK EN AND TO PROTECT STREAM HABITAT.			
Kimley-Horn	4. CC	HOURS TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES. CONSTRUCTION OF THIS PROJECT MAY NOT BEGIN UNTIL THE EASEMENTS INDICATED HAVE BEEN RECORDED BY THE CITY.				ITS INHERENT FUNCTION OF ERC ENSURE THE PERMANENT PROTE	TION ZONE SHALL BE KEPT IN AS NATURAL STATE AS POSSIBLE SO THAT IT CAN PERDSION PROTECTION, FLOOD STORAGE, AND WATER QUALITY PROTECTION. IN ORDER TO ECTION OF THE ZONE, THE DEVELOPER SHALL PROVIDE FOR THE PERMANENT PROTECTION STATION AND REVEGETATION.		
ut liability to l	ES	STIMATED COS	STS FOR INSPECTION	AND WHERE REQUIRED A REPAVING		RESTORATION PLAN THAT INCOF FLOODPLAIN FILL WORK THAT O	THE CONSULTANT OF THE CONTRACTING DEPARTMENT SHALL PREPARE A STREAMBAN RPORATES BIOENGINEERING TECHNIQUES SHALL BE PREPARED FOR COMPENSATORY CCURS IMMEDIATELY ADJACENT TO THE STREAMBANK. THE STREAMBANK RESTORATION EVIEWED AND APPROVED BY THE RECREATION & PARKS/CITY FORESTER PRIOR TO FINA		
be witho				AS SHOWN ON THESE DRAWINGS MU RAGE AND DRAINAGE.	JST HAVE PRIOR WRITTEN APPROVAL BY THE	CONSTRUCTION PLAN/FINAL SITI			
, Inc. shall					TALLATION IN CONFORMANCE WITH THE ION AND MATERIAL SPECIFICATIONS, CURRENT	STANDARD CONSTRUCTION DRAW	BEYOND THE MINIMUM TRENCH WIDTH, AS DEFINED ON DIVISION OF SEWERAGE AND DRA MINGS AA-S149, AA-S151, AND AA-S152 DUE TO SITE CONDITIONS OR THE CONTRACT Y AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHO PERMITTED.		
and Associates,	NC ME	OTING THAT S	SAID PIPE, STORM AN	ND SANITARY STRUCTURES HAVE BE	. BE STAMPED OR HAVE SUCH IDENTIFICATION EEN INSPECTED BY THE CITY OF COLUMBUS AND ER IDENTIFICATION WILL NOT BE PERMITTED FOR	IF UNSUITABLE SUBGRADE MATE THE ENGINEER PER CMSC ITEM	ERIAL IS FOUND, THE FOLLOWING CONTINGENCY QUANTITY MAY BE USED AS DIRECTED 901.06.		
by Kimley-Horn o		ONTROL MEAS CTIVITIES MUS ONTROL REGU	SURES SPECIFIC TO T ST COMPLY WITH ALL	'HIS SITE MAY BE FOUND ON SHEET PROVISIONS OF THE DIVISION OF S DISTURBING ACTIVITIES SHALL BE SU	T OF THIS PROJECT. EROSION AND SEDIMENT T NO. 11–13 OF THIS PLAN. LAND-DISTURBING SEWERAGE AND DRAINAGE EROSION AND SEDIMENT SUBJECT TO INSPECTION AND SITE INVESTIGATION	SUCH CAPACITY TO ADEQUATEL DEWATERED SO THAT THE PLAC FIRM, DRY GROUND. THE CONT SEWER WITHOUT CAUSING ANY I	ED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT O Y DEWATER THE TRENCH PER CMSC ITEM 901.06. THE TRENCH SHALL BE SUFFICIENTI EMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE OR STRUCTURES IS MADE RACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR S DAMAGE TO THE PROPERTY BY UTILIZING PROPER EROSION AND SEDIMENT CONTROLS. T LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION.		
and adaptation	CC CL B1	OMMENCEMEN LEARING, GRU Y REGULATION	T OF INITIAL SITE LA BBING AND ANY EAF I TO BE IN PLACE F	ND DISTURBANCE ON ANY SITE OF RTH MOVING. PRIMARY EROSION AND ROM THE BEGINNING OF THE CONST	OF COLUMBUS TWO WORKING DAYS PRIOR TO ONE OR MORE ACRES. THIS INCLUDES SITE D SEDIMENT CONTROL PRACTICES ARE MANDATED TRUCTION ACTIVITY. PLEASE CONTACT THE	OHIO EPA AND CITY OF COLUME SUBSEQUENT FINES. THE COST 901.	BUS REGULATIONS; THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND OF ALL DEWATERING WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC IT		
uthorization a	BE CC	E FOUND IN 1 OMPLY MAY F	THE EROSION AND SE RESULT IN ENFORCEM	EDIMENT POLLUTION CONTROL REGUI IENT ACTION AS DETAILED IN THE C	4) 645–1506. DETAILS OF THIS REQUIREMENT MAY JLATION (ADOPTED JUNE 1, 1994). FAILURE TO COLUMBUS CITY CODES SECTION 1145.80. TER OF THE RECREATION AND PARKS DEPARTMENT	TRENCH BACKFILL SHALL BE PE REQUIRING CMSC ITEM 911, COM COMPACTED GRANULAR MATERIA II BEDDING, INCLUDING ITEM 912	TR CMSC ITEM 901.17. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR TRENCHES IPACTED BACKFILL. THE COST FOR BACKFILLING TRENCHES WITH CMSC ITEM 912, AL SHALL BE PAID FOR UNDER THE APPLICABLE "ITEM 901 — SEWER PIPE, WITH TYPE 2 BACKFILL", NO SEPARATE PAYMENT SHALL BE MADE FOR ITEM 912, COMPACTED GRA		
vritten a	(P	PHONE: (614)	645-3350) 24-HOU	JRS PRIOR TO ANY CONSTRUCTION	IN OR NEAR THE PARK PROPERTY.	MATERIAL.			
ent without v	GF TH RE	RADE CHECKS HIS EQUIPMEN EQUESTED BY SSISTANCE IN	WHENEVER SEWER T AVAILABLE FOR US THE INSPECTOR. TH PERFORMING GRADE	LINE STRUCTURES OR PIPE ARE BEI SE AND ASSIST THE CITY INSPECTO IE INSPECTOR WILL MAKE ALL REAS C CHECKS TO TIME CONVENIENT TO		AT ALL POINTS OF CROSSING WATER MAINS OR OTHER SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BE THE DEEPER AND SHALLOWER PIPES. ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.			
on this document		1. PROPE 2. PROP 3. GRAD	ER PLACEMENT OF E ER INSTALLATION OF E, AFTER AN OVERN	INITIAL RUNS OF PIPE FROM A STR IGHT OR LONGER SHUTDOWN.	IRUCTURE.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE TRENCHES FOR A PERIOD OF ONE (1) YEAR F THE DATE OF FINAL INSPECTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC I 901.			
er reliance	1	GRADE C	HECKS PERFORMED		TO QUESTION GRADE OF INSTALLATION.	AND THE CONTRACTOR SHALL M	ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGIN MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE ANI		
nd imprope	13. NO	OT USED			THE STORM SEWER FACILITIES. THE	WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SH 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			
Reuse of a	DE RE	EVELOPER/OW EDUCE THE W	NER WILL ASSUME T	HE RESPONSIBILITY TO MAINTAIN TH	HE PONDING OR DETENTION AREAS SO AS NOT TO	PROJECT SHALL BE FREE OF AL BY THE OWNER.	LL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEP		
h it was prepared.	SL OF TH PL	URVEYS TO V F CONSTRUCT HAT THE FAC LANS AND CO	ERIFY THE FINAL GR. 10N, THE OWNER/DE LITIES ARE CONSTRU INSTRUCTED GRADES	ADES AND ELEVATIONS OF STORMW VELOPER SHALL FIELD SURVEY THE ICTION ACCORDING TO APPROVED P	LL BE RESPONSIBLE FOR PROVIDING AS BUILT VATER CONTROL FACILITIES. AT THE COMPLETION E STORMWATER DETENTION FACILITY TO VERIFY PLANS. SHOULD A DISCREPANCY BETWEEN THE THE DETENTION FACILITY SHALL BE RESTORED BY	MENTIONED PARTIES SHALL BE THE ORIGINAL INSPECTION. THE CONTRACTOR'S OPERATIONS TO TO BE ABANDONED. THE CONT	H BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MAINTAINED AND LEFT IN A CONDITION REASONABLE COMPARABLE TO THAT DETERMINE E CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTU RACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH CTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN TRUCTION.		
at for which	RE	EQUIRED BY 1	THE PLANS AT BOTH		R SHALL CONSTRUCT THE END TREATMENTS HIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP DING LIFT HOLES, ETC.		SANITARY SEWERS: ROOF DRAINS, FOUNDATION DRAINS, DRAIN TILES, AND OTHER CLI ANITARY SYSTEM ARE PROHIBITED.		
se and clier	PRIOR	R TO EXCAVAT	TION, THE CONTRACT	OR SHALL GIVE A 48-HOUR NOTICE	E TO THE OHIO UTILITIES PROTECTION SERVICE EN TO THE OWNERS OF THE UNDERGROUND		NFORCED POLYPROPYLENE PLASTIC PER DOSD STD. CONSTRUCTION DRAWING AA-S119. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 604, MANHOLE.		
becific purpos	ÚTILITI LISTED	TIÉS SHOWN O	N THE PLANS WHO UTILITY COMPANIES	ARE NOT MEMBERS OF A REGISTER	VITHIN THE WORK LIMITS OF THIS PROJECT AND	STORMWATER STRUCTURES. IF EITHER WITH GRADE RINGS OR I	T: THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NE PRECAST STRUCTURES ARE UTILIZED, THE TOP 6 INCHES MINIMUM SHALL BE FIELD PL BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK S E BID FOR THE APPLICABLE CMSC ITEM 604.		
/ for the s	DEPAF	OF COLUMBUS RTMENT OF TI NLEY AVENUE		CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT	CITY OF COLUMBUS SUPPORT SERVICES DIVISION COMMUNICATION	PERFORMED, THE CONTRACTOR ACCORDINGLY. FOR ADJUSTMEN	THAT AN INLET IS TOO LOW/HIGH AFTER IT HAS BEEN PLACED AND ROUGH GRADING SHALL ADJUST THE INLET AS DIRECTED BY THE ENGINEER AND REGRADE THE AREA NTS OF $+/-$ 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE INCLUDED IN THE		
intended only		MBUS, OH 43	222 (614) 645–7756	1820 EAST 17TH AVENUE COLUMBUS, OH 43219 OFFICE: (614) 645–7393	4211 GROVES RD COLUMBUS, OH 43232 TELPHONE: (614) 724–7047 RADIO ROOM: (614) 724–400	ADJUST THE INLET SHALL BE P BY ENGINEER, AND SHALL CONS	E CMSC ITEM 604. FOR ADJUSTMENTS GREATER THAN $+/-$ 6 INCHES, THE COST TO AID FOR IN THE UNIT PRICE BID FOR CMSC ITEM SPECIAL – INLET ADJUSTED, AS DIREC STITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE BACKFILL, REGRADING, ETC. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED THE WORK NOTED ABOVE:		
t of service, is	DIVISIO 910 D	OF COLUMBUS ON OF WATER DUBLIN ROAD	2	CITY OF COLUMBUS DIVISION OF POWER 3500 INDIANOLA AVE	CITY OF COLUMBUS DIVISION OF SEWERS AND DRAINAGE 1250 FAIRWOOD AVE		: THE TOP OF NEW OR MODIFIED MANHOLE CASTINGS SHALL BE SET FLUSH WITH THE RACTOR SHALL FIELD VERIFYING THE TOP OF CASTING ELEVATION PRIOR TO ORDERING		
nstrumen		MBUS, OHIO 4 645-7788	-3215	COLUMBUS, OHIO 43215 614–645–7627	COLUMBUS, OHIO 43206 614–645–7102		ROUND BELOW THEIR RESPECTIVE DRIP LINES, WHETHER SHOWN OR NOT SHOWN ON THE UNLESS APPROVAL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECRE		
n, as an i	920 V	MBIA GAS OF WEST GOODAL MBUS, OHIO 4	E BLVD	AEP 850 TECH CENTER DRIVE GAHANNA, OHIO 43230	AT&T 111 N. 4TH STREET COLUMBUS, OHIO 45840	COMPLIANCE PLAN. TREES APPF CMSC ITEM 201, CLEARING AND	ER OR IF THE PUBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL ROVED FOR REMOVAL BY EITHER OF THE CRPD/CITY FORESTER SHALL BE PAID FOR UI GRUBBING, UNLESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201. T REES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THA		
iresented here	614-4	460–2169		614–883–6829	614–223–5316	TO REMAIN. ALL TREES REMOVE AND GRUBBING DONE ON CRPD AND DISPOSED OF BY THE CON ZONE OF EXISTING PUBLIC TREE KEITH MAY, AT (614) 645–3014	D SHALL INCLUDE STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE. ALL CLE PROPERTY, RIGHT-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOV TRACTOR. HEAVY EQUIPEMTN WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE S. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD INSPE 4 OR KAMAY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, S		
designs 1						AS PLYWOOD, LUMBER OR RUBE	BER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO		
pts and	CITY	NO COU	EASEMENT RE		NO. DESCRIPTION	APPROVAL/DATE	FLAN PREPARED BY: Kimley »Horn		
he conce		NO VO		GRANTOR			© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 7965 N. HIGH ST, SUITE 200 COLUMBUS, OH 43235		
ier with t							PHONE: 614–452-6697 WWW.KIMLEY-HORN.COM		
it, togeth									
cumen									

PREVENT COMPACTION. IF A PUBLIC TREE NEEDS TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE A TREE MITIGATION 14. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVE THE CONTRACTOR OF THE ULTIMATE TREE PROTECTION NOTES: RESPONSIBILITY TO ENSURE CONSTRUCTION TO PLAN GRADE. INCLUDED IN THE APPROVED FINAL SITE COMPLIANCE PLAN (FSCP). REFER TO CRPD STANDARD DRAWING FOR TREE 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 SHEET NO(S). \_\_\_ OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT THE CITY OF COLUMBUS AND/OR THE OHIO EPA. FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING CITY FORESTRY ALL EROSION SEDIMENTATION CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS, PROJECT ENGINEER AND/OR THE OHIO EPA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF COLUMBUS TWO (2) WORKING DAYS PRIOR TO 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 COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE (1) OR MORE ACRES. THIS INCLUDES SITE TO THOSE SHOWN ON THE PLANS. TOPSOIL FOUND SUITABLE BY THE PROJECT ENGINEER DURING CLEARING AND GRUBBING CLEARING. GRUBBING, AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY SHALL BE SEGREGATED FROM THE OTHER EXCAVATED MATERIAL AND STOCKPILED FOR REUSE. PAYMENT FOR 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 653. IF STOCKPILED TOPSOIL IS INSUFFICIENT, THE ENGINEER MAY DIRECT THE CONTRACTOR TO IMPORT ADDITIONAL THE EROSION AND SEDIMENT POLLUTION CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY TOPSOIL. IMPORTED TOPSOIL SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR CMSC ITEM 653, TOPSOIL FURNISHED RESULT IN ENFORCEMENT ACTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80. AND PLACED, AS DIRECTED BY THE ENGINEER. THE NPDES PERMIT HOLDER SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER SEEDING & MULCHING: FUNCTIONALITY OF THE EROSION AND SEDIMENTATION CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS IN CONFORMANCE WITH CMSC ITEM 659 - SEEDING & INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF 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 CONTRACTOR SHALL WATER SEEDED AREAS AT A RATE OF 120 GALLONS PER 1,000 SQUARE FEET AS SOON AS THE SEED IS COVERED. THE CONTRACTOR SHALL WATER ALL SEEDED AREAS AT A RATE OF 120 GALLONS PER 1,000 SQUARE FEET EVERY OTHER DAY FOR FOUR WEEKS. WATERING SHALL BE PERFORMED IN THE MORNING BETWEEN 6:00AM AND THIS PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON SITE AT ALL TIMES 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. PAVEMENT CUTTING. SAWING AND EXCAVATION OPERATIONS NOTE: ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS AND GROWTH OF GRASS, THEN MAINTENANCE SHALL CONTINUE INTO THE FOLLOWING SPRING. 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). AND RESETTING AND STRAIGHTENING OF PROTECTIVE BARRIERS. MAINTENANCE SHALL ALSO INCLUDE CHEMICAL THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION TREATMENTS AS REQUIRED FOR FUNGUS AND/OR PEST CONTROL. 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 SEEDED AREAS HAS APPEARED. ALL AREAS AND PARTS OF AREAS THAT. IN THE OPINION OF THE CITY, FAIL TO SHOW A VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES. 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 EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR. CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK DUST CONTROL: THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR DUST CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO. 616 WATER M GALLONS 616 CALCIUM CHLORIDE TONS 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 TEMPORARY SOIL AND SEDIMENT CONTROL: THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR ENGINEER FOR EROSION AND SEDIMENTATION CONTROL MEASURES: EXCAVATION OPERATIONS. 207 PERIMETER FILTER FABRIC FENCE LF 207 CONSTRUCTION SEEDING AND MULCHING SY ON-SITE CONTACT: CARVANA PHONE: (630) 470-5480 SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT CONTROL DEVICES AT THE CONCLUSION OF THE E-MAIL: BRETT.HANLON@CARVANA.COM SITE IS TRIBUTARY TO: ALUM CREEK PROVIDE ADEQUATE DRAINAGE (CONSISTENT WITH SEDIMENT/EROSION CONTROL PRACTICES) OF THE WORK AREA AT ALL TIMES. PERMITS WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE-PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND ARE DETAILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWP3) INCLUDED IN THE PLAN. 4:00 PM MONDAY THROUGH FRIDAY. PHONE (614) 645–7497; FAX: (614) 645–1876; EMAIL: COLSPERMITS@COLUMBUS.GOV TEMPORARY TRAFFIC CONTROL ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTROL DEVICES SUCH AS STRAW BALE DIKES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF ROADWAY PAVEMENTS. THIS INCLUDES EXCESS OR UNUSABLE EXCAVATED SOIL. CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 AND MASH CRASH TESTING GUIDELINES. DEVICES AS APPROVED BY THE DIVISION OF SEWERAGE AND DRAINAGE. THESE DEVICES SHALL BE MAINTAINED UNTIL THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS. INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC IN THE UNIT PRICE BID FOR CMSC ITEM 207 - INLET PROTECTION. STRAW CONTROLS. THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION. IF MATERIALS ARE DISPOSED ON PROPERTY WITHIN CITY 3. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL LIMITS, THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED AGREEMENT AND A COPY OF THE GRADE AND FILL COORDINATOR AT 614-645-0355 OR 614-645-5845 & THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER PERMIT OBTAINED FROM THE DEVELOPMENT DEPARTMENT. AT 614-645-1675, WRITTEN NOTIFICATION TO PAVING THE WAY AT PAVINGTHEWAY@MORPC.ORG OR VERBAL TO (614)233-4200, PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX STREET CLEANING: 614-275-5933, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED. AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:

REAK, DEFACE, INJURE, MUTILATE, KILL OR DESTROY ANY TREE, SHRUB OR TION ZONE"" IN THE CITY OF COLUMBUS.

PLAN TO JIM LONG AT (614) 645-2864 OR JALONG@COLUMBUS.GOV AND EMAIL AND REFER TO THE CRPD TREE MITIGATION 15. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION THE GRADE OF INSTALLATION A TREE PROTECTION PLAN WITH A DRAWING OF ANY WORK LOCATED WITHIN THE DRIP LINE OF A PUBLIC TREE SHALL BE STORED, DUMPED OR PARKED WITHIN THE DRIP LINE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE "BEST FOR THE COST OF ANY AND ALL DAMAGE AS DETERMINED BY THE CURRENT ANSI A300/CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE PROTECTION AND REPLACEMENT. MULCHING. ANY DISTURBED AREAS OUTSIDE THE PROJECT LIMITS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. 10:00AM AND SHALL BE APPLIED BY MEANS OF A HYDRO-SEEDER OR A WATER TANK UNDER PRESSURE WITH A NOZZLE 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 MAINTENANCE SHALL INCLUDE RESEEDING. MOWING TO MAINTAIN A HEIGHT OF 3 INCHES. WATERING, WEEDING, FERTILIZING IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE SEEDED AREAS. AFTER THE GRASS IN CONTROL: CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER IS ESTABLISHED. THE CONTRACTOR SHALL (INCLUDE FOLLOWING IF PLAN INCLUDES SWP3) COMPLETE INFORMATION FOR EROSION AND SEDIMENT CONTROL MEASURES MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT. EXCAVATED MATERIALS SHALL NOT BE STORED ON EXISTING PUBLIC STORM SEWER INLET PROTECTION: ALL STORM SEWER INLETS SHALL BE PROTECTED FROM EXCESSIVE AMOUNTS OF SEDIMENTS USING ADEQUATE FILTERING 2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DENUDED AREA HAS BEEN STABILIZED, OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED DISPOSAL OF EXCESS EXCAVATION: BID FOR CMSC ITEM 901, UNLESS OTHERWISE SPECIFIED. STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF

BE KEPT IN AS NATURAL STATE AS POSSIBLE SO THAT IT CAN PERFORM N, FLOOD STORAGE, AND WATER QUALITY PROTECTION. IN ORDER TO ONE. THE DEVELOPER SHALL PROVIDE FOR THE PERMANENT PROTECTION IGATED THROUGH REFORESTATION AND REVEGETATION.

IT OF THE CONTRACTING DEPARTMENT SHALL PREPARE A STREAMBANK INEERING TECHNIQUES SHALL BE PREPARED FOR COMPENSATORY ELY ADJACENT TO THE STREAMBANK. THE STREAMBANK RESTORATION PLAN PROVED BY THE RECREATION & PARKS/CITY FORESTER PRIOR TO FINAL PPROVAL.

PLAN GUIDANCE, ANSI A300 AND/OR CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE REPLACEMENT STANDARDS. PROTECTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED, TOPSOIL SEGREGATING. STOCKPILING AND REUSE OF STOCKPILED TOPSOIL SHALL BE INCLUDED IN THE AMOUNT BID FOR CMSC ITEM ALL DISTURBED AREAS, WHICH WILL REMAIN UNWORKED FOR 45 DAYS OR MORE, SHALL BE SEEDED. THE CONTRACTOR SOIL STOCKPILES: ALL SOIL STOCKPILES, INCLUDING TRENCH EXCAVATION STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER OR HAY BALES ARE NOT APPROVED FOR INLET PROTECTION. NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

01.17. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR TRENCHES THE COST FOR BACKFILLING TRENCHES WITH CMSC ITEM 912, D FOR UNDER THE APPLICABLE 'ITEM 901 - SEWER PIPE, WITH TYPE I OR SEPARATE PAYMENT SHALL BE MADE FOR ITEM 912, COMPACTED GRANULAR

OTHER SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BETWEEN

THE CONDITION OF THE TRENCHES FOR A PERIOD OF ONE (1) YEAR FROM THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM

CT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER TION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL IE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.

MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE TER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED

, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE LEFT IN A CONDITION REASONABLE COMPARABLE TO THAT DETERMINED BY HALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE ON OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH JCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN

RS: ROOF DRAINS, FOUNDATION DRAINS, DRAIN TILES, AND OTHER CLEAN ARE PROHIBITED.

TOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW TURES ARE UTILIZED, THE TOP 6 INCHES MINIMUM SHALL BE FIELD PLACED AR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL APPLICABLE CMSC ITEM 604.

TOO LOW/HIGH AFTER IT HAS BEEN PLACED AND ROUGH GRADING HE INLET AS DIRECTED BY THE ENGINEER AND REGRADE THE AREA NCHES, THE COST TO ADJUST THE INLET SHALL BE INCLUDED IN THE UNIT FOR ADJUSTMENTS GREATER THAN +/- 6 INCHES, THE COST TO UNIT PRICE BID FOR CMSC ITEM SPECIAL - INLET ADJUSTED, AS DIRECTED MENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE

ADING, ETC. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN ABOVE EW OR MODIFIED MANHOLE CASTINGS SHALL BE SET FLUSH WITH THE ELD VERIFYING THE TOP OF CASTING ELEVATION PRIOR TO ORDERING

HEIR RESPECTIVE DRIP LINES, WHETHER SHOWN OR NOT SHOWN ON THE AL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECREATION ESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201. THE T-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOVED EQUIPEMTN WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD INSPECTOR, UMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH 12. PROPER PLACEMENT OF EACH STRUCTURE READ OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO 13. PROPER INSTALLATION OF PIPE RUNS

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AND REDEVELOPMENT PROJECTS THAT INCLUDE A PORTION OF THE STREAM MANAGEMENT PRACTICES - MANAGING TREES DURING CONSTRUCTION" A COMPARISON PUBLICATION TO ANSI A300 PART 5. TERATIONS OF THE STREAM, KEEP NEW STRUCTURES OUT OF THE STREAM IF THERE IS A QUESTION WHETHER A TREE OR NOT NEEDS TO BE PROTECTED, THE CONTRACTOR MUST CONTACT THE CITY CONTROL REGULATION. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY RIPARIAN CORRIDOR ALONG THE STREAM TO MINIMIZE STREAMBANK EROSION FORESTRY REPRESENTATIVE JIM LONG AT (614) 645-2864 OR JALONG@COLUMBUS.GOV. FAILURE TO CONTACT THE CITY MUM TRENCH WIDTH, AS DEFINED ON DIVISION OF SEWERAGE AND DRAINAGE AA-S151, AND AA-S152 DUE TO SITE CONDITIONS OR THE CONTRACTOR'S ACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHORIZED THE FOLLOWING CONTINGENCY QUANTITY MAY BE USED AS DIRECTED BY TOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF TRENCH PER CMSC ITEM 901.06. THE TRENCH SHALL BE SUFFICIENTLY NG AND LAYING AND JOINING OF THE PIPE OR STRUCTURES IS MADE ON ONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM PROJECT. IN THE EVENT THAT SEEDING OPERATIONS ARE COMPLETED TOO LATE IN THE FALL FOR ADEQUATE GERMINATION STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF RING WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM

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 TH CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THI 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. THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

JBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL SITE THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYORS' LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, DVAL BY EITHER OF THE CRPD/CITY FORESTER SHALL BE PAID FOR UNDER GRADE CHECKS WHENEVER SEWER LINE STRICTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL EQUIPMENT AVAILABLE FOR THE USE, AND SHALL ASSIST THE CITY INSPECTOR, IN PERFORMING GRADE CHECKS WHEN BE AS PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS. CITY OF COLUMBUS STANDARD ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF E STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE. ALL CLEARING ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR. UNIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:

	TYPE OF CHANGE	ADVANCE NOTIFICATION NEEDED
F	DETOURS/ROAD CLOSURES	30-DAY NOTIFICATION PRIOR TO CLOSURE.
E	LANE CLOSURES LASTING 2 WEEKS OR MORE	2-WEEKS
E	LANE CLOSURES OF LESS THAN 2 WEEKS	3-DAYS
	LANE CLOSURES OF 2 DAYS OR LESS	1–DAY

			CITY OF CO DEPARTMENT OF PU DIVISION OF SEWERAG DIVISION USE	UBLIC UTILITIES SE AND DRAINAGE
OW	NER			
CONT	RACTO	R		
INSPE	ECTOR		SCALE: AS SHOWN	SHEET:
AGREEMENT COMPLETED				2 OF 13
CKD	CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
			CC-19432	
	CONTI INSPE MENT	INSPECTOR MENT COMF	CONTRACTOR INSPECTOR MENT COMPLETED	OWNER     OWNER       CONTRACTOR     OWNER       INSPECTOR     SCALE: AS SHOWN       CKD     CLD       CON. DR.     CONTRACT DRAWING NO.

5. MAINTA	NING TRAFFIC	DURING HOLIDA	<u>YS AND SPECIAL EVENTS</u>			TEMPORAR	<u>Y TRAFFIC CONTROL</u>		
HOLIDA THE LA CONTAC 614-33	YS OR SPECIAI NES ARE TO E T THE CITY O 2-7472 FOR	L EVENTS INCLU BE OPEN DEPENI F COLUMBUS TE EVENT DATES, L	DING THE OHIO STATE FOOTBA DS ON THE DAY OF THE WEEK MPORARY TRAFFIC CONTROL ( OCATIONS, AND SCHEDULE. H(	ALL HOMI ON WH COORDIN OLIDAYS	N TO TRAFFIC DURING DESIGNATED E GAMES. THE PERIOD OF TIME THAT ICH THE HOLIDAY OR EVENT FALLS. ATOR, 614–645–5845 OR CELL, WILL CONSIST OF CHRISTMAS, NEW M—12MIDNIGHT), MEMORIAL DAY, LABOR	THE C AND H OFFICE	EMPORARY TRAFFIC CO ONTRACTOR IN ACCOR HIGHWAYS (CURRENT E OF CONTRACTS, 198 ONDITION AND LOCATI	RDA EDIT 80	
DAY, Á TO FIRE PROJEC	ND THANKSGIV WORKS NIGHT T AREA AND I	ING. RED, WHITE SHALL REQUIRE PLACE EITHER IN	AND BOOM, FIREWORKS CELE ALL TEMPORARY TRAFFIC CO	BRATION NTROL D N APPR	AND A MINIMUM OF ONE DAY PRIOR DEVICES TO BE REMOVED FROM THE OVED BY THE TEMPORARY TRAFFIC	DEPAR	LINES. RUCTION OPERATIONS RTMENT OF PUBLIC SEI DING THE INSTALLATIO	RV	
			HE CITY OF COLUMBUS TEMPO SPECIAL EVENTS, INCLUDING (		RAFFIC CONTROL COORDINATOR FOR ANY TBAL HOME GAMES.	CONTR MARKI INSTAL	ROLS, THEIR PERMIT SI NGS TO INCLUDE, BUT LLED AND MAINTAINED RECTED BY THE TEMPO	HAI Γ Ν • ΟΙ	
TRAFFIC RELOCA	CONTROLS T	HROUGHOUT THIS	S PROJECT. PERMANENT TRA	FFIC CON	OT IN CONFLICT WITH THE TEMPORARY NTROLS MAY BE TEMPORARILY CTOR SHALL ASSUME ALL LIABILITY FOR	3. THE C CONTR PAVIN	3. THE CONTRACTOR SHALL GIVE CONTROL COORDINATOR AT 6 PAVINGTHEWAY@MORPC.ORG 0		
AND/OF	R REPLACEMEN	IT OF TEMPORAF	RY TRAFFIC CONTROL DEVICES	AS A R	TALLATION, RELOCATION, REMOVAL ESULT OF WORK DONE BY THE LL BE AT THE CONTRACTORS' EXPENSE.	MAINT WHAT, TRAFF	IER OF COTA AT 614- ENANCE OF TRAFFIC ( WHERE, WHEN, AND I IC CONTROL PROCEDU MINE THE LENGTH OF	CHA HO' IRE	
CONTRO THE CR SIGNS /	IS ARE IN PL ITICAL PERMAN AND ALL STRE	ACE, OR UNTIL NENT TRAFFIC C ET NAME SIGNS.	TEMPORARY TRAFFIC CONTROL ONTROLS ARE STOP, YIELD, OI OTHER CRITICAL SIGNS MAY	S APPRO NE – WA BE NOTE	NTIL THE CRITICAL PERMANENT TRAFFIC OVED BY THE ENGINEER, ARE INSTALLED. AY, DO NOT ENTER, RESTRICTED TURN D ON THE PLANS AS WELL. THE EMPORARY TRAFFIC CONTROLS.		TYPE OF CHANG DETOURS/ROAD LANE CLOSURES LANE CLOSURES LANE CLOSURES	) CI S L S C	
0. <u>ITEM 61</u>	<u>4 — MAINTAIN</u>	IING TRAFFIC				ASSIG	OTA SENIOR SERVICE NED COTA ROUTES. 4 OCCUR.		
THE LA MANUAI REQUIRI SHALL IN ADDI	TEST EDITION OF UNIFORM EMENTS DESIGI BE INCLUDED TION TO THE	OF THE CITY OF TRAFFIC CONTR NATED IN THE P IN THE LUMP SL REQUIREMENTS F	COLUMBUS CONSTRUCTION A COL DEVICES FOR STREETS ANI LAN INCLUDING ALL LAW ENFO JM ITEM 614. HEREIN, AND THE LATEST EDIT	ND MATE D HIGHW DRCEMEN 10N OF	ND PEDESTRIAN TRAFFIC ACCORDING TO RIAL SPECIFICATIONS, THE OHIO AYS (OMUTCD), AND PER THE T OFFICER (LEO) AND FLAGGER HOURS THE OHIO MANUAL OF UNIFORM TRAFFIC BE PROVIDED FOR CONTROLLING	AROUN SHALL STAND OHIO I DIVERS THE T	ONTRACTOR SHALL BE ND, OR DETOURED AW. BE AS PER CITY OF DARD CONSTRUCTION E MANUAL OF UNIFORM SIONS AND TEMPORAR EMPORARY TRAFFIC C	AY CC DRA TR Y I	
TRAFFIC WORK V WHEN F WHEN S	UNDER THE UTHIN A SIGN/ LAGGING WITH PECIFIED IN T	FOLLOWING CONI ALIZED INTERSEC IN THE INTERSEC HE MAINTENANC	DITIONS: CTION, DEFINED AS THE AREA CTION OF TWO ARTERIAL ROAD E OF TRAFFIC PLAN OR AS W	BOUNDEI DWAYS HEN DIRI	D BY THE REAR X-WALK LINES ECTED BY THE PROJECT ENGINEER CTION, WITHOUT SHIFTING SIGNAL HEADS	5.MAINT NO WO HOLID/ THE L CONTA	NING PROPERTIES SHA AINING TRAFFIC DURIN ORK SHALL BE PERFOF AYS OR SPECIAL EVEN ANES ARE TO BE OPE ACT THE CITY OF COLU 32-7472 FOR EVENT	IG RMI NTS EN UMI	
A FLAG INTERSE	GER SHALL BE	E UTILIZED TO A RK ZONE. THE C	SSIST IN CONTROLLING TRAFFI	C WHILE	EQUIPMENT IS ENTERING OR EXITING AN AGGER OR LEO UNDER PAY ITEM 614	YEARS DAY, 7 TO FIF PROJE	5, FOURTH OF JULY-R AND THANKSGIVING. R REWORKS NIGHT SHALL CT AREA AND PLACE	ED, ED, - R EI	
FLAGGE THE OM AS LON	RS AND LEO'S UTCD. FLAGGII G AS ALL TRA	SHALL BE EQU NG OPERATIONS AFFIC CONTROL I	PERFORMED BY LEO'S OR DES IS IN PLACE ACCORDING TO FI	SIGNATED	FOR FLAGGING TRAFFIC CONTAINED IN FLAGGERS SHALL ONLY BE PERMITTED H–10 (TA–10) IN THE OHIO MANUAL.	6.THE C	ROL COORDINATOR OR ONTRACTOR SHALL CO ONAL MOT REQUIREME	ON-	
IF THE	CONTRACTOR	WISHES TO UTIL			CARS FOR TRAFFIC CONTROL OTHER N EXPENSE. THE CONTRACTOR SHALL	TRAFF RELOC	ONTRACTOR SHALL MA IC CONTROLS THROUG ATED OR COVERED, A IG, DAMAGED, OR IMPF	HO S	
LEO'S S	HALL BE CON	SIDERED TO BE	EMPLOYED BY THE CONTRACT	OR AND		8.ANY V AND/0	VORK DONE BY THE D DR REPLACEMENT OF RACTOR OR AS A RES	EP TEI	
HAVE C ANY MA COORDI	ONTROL OVER INTENANCE OF NATOR OR PRO	THEIR PLACEME F TRAFFIC SCHE OJECT ENGINEER	ENT. LEO'S SHALL NOT HAVE T ME WITHOUT THE PERMISSION UNLESS AN EMERGENCY DEVI	THE AUTI OF THE ELOPS.	HORITY TO CHANGE, EDIT OR MODIFY TEMPORARY TRAFFIC CONTROL	CONTR THE C SIGNS	OADWAY SHALL NOT E ROLS ARE IN PLACE, C RITICAL PERMANENT T AND ALL STREET NAM RACTOR ASSUMES ALL	DR [R/ ME	
PUBLIC	SERVICE DIRE	CTOR AT THE C	ONTRACTOR'S EXPENSE.		BUS PUBLIC SAFETY AND/OR THE	10. ITEM	614 — MAINTAINING	TR	
IS I OR THE D	DAYS. THE PEI VISION OF PO	RMIT ASSOCIATE	D WITH THIS WORK IS NOT VA	LID FOR	OTHER PHASES OF CONSTRUCTION.	THE L MANU/ REQUI	OSTS THAT CONSIST ( ATEST EDITION OF THE AL OF UNIFORM TRAFF REMENTS DESIGNATED	E ( FIC IN	
GHTING A -800-362	T THIS WORK -2764 FORTY	LOCATION. THE -EIGHT HOURS	CONTRACTOR IS HEREBY REQU	URED TO	CONTACT OUPS AT 811 OR WITHIN THE CONSTRUCTION AREA.	IN ADDITIC	BE INCLUDED IN THE ON TO THE REQUIREME DEVICES, A UNIFORME	ENT	
LECTRICAL F DOP PE KISITING E	FACILITIES IN RSONNEL AND LECTRICAL SYS	THE CONSTRUC AT THE EXPENS STEM AT THE EX	TION AREA IS TO BE PERFORM SE OF THE PROJECT. DOP SHA (PENSE OF THE PROJECT. THE	MED BY ALL MAK CONTRA	THE CONTRACTOR UNDER THE DIRECTION E ALL FINAL CONNECTIONS TO DOP'S ACTOR SHALL USE MATERIAL AND MAKE OP'S "MATERIAL AND INSTALLATION	• WORK	E FOLLOWING CONDITION WITHIN A SIGNALIZED FLAGGING WITHIN THE	IN	
PECIFICATI EW OR RE DOO.18 OF DCKOUT/T	ONS" (MIS) AN —INSTALLED U THE CMSC M AGOUT (LOTO)	ND THE CITY OF INDERGROUND S ANUAL.THE CON PROCEDURE, M	COLUMBUS "CONSTRUCTION A TREET LIGHT SYSTEM SHALL R TRACTOR SHALL CONFORM TO IS—1, COPIES OF WHICH ARE	AND MAT EQUIRE DOP'S E AVAILABI	ERIALS SPECIFICATIONS" (CMSC). ANY TESTING AS REFERRED TO IN SECTION XISTING STREET LIGHT LE FROM DOP.	• WHEN • WHEN A FLA INTERS	SPECIFIED IN THE MA SHIFTING TRAFFIC LEF GGER SHALL BE UTILI SECTION OR WORK ZOI AINING TRAFFIC, LUMP	IN <sup>-</sup> T ZEI NE	
SERVANTS, MMEDIATEL	OR EMPLOYEE Y AT 614-645	S, AND REQUIRE 5—7627. DOP SH	ES EMERGENCY REPAIRS, DOP FALL MAKE ALL NECESSARY R	DISPATC	Y THE CONTRACTOR, ITS AGENTS, H OFFICE SHOULD BE CONTACTED AND THE EXPENSE OF SUCH REPAIRS ISION OF POWER, CITY OF COLUMBUS,	FLAGO THE O AS LO	GERS AND LEO'S SHAL MUTCD. FLAGGING OPP ING AS ALL TRAFFIC ( DL CARS SHALL NOT E	L ER/ COM	
EPT ONSI	ACTOR IS TO E AT ALL TIM	ES			IIT, WITH RED SIGNATURES, SHALL BE	FOR THAT	NTRACTOR WISHES TO REQUIRED IN THE PL MENT THROUGH THE C	AN.	
XCAVATION OURS OF MAIL: COL	N PERMIT FROM 7:30 AM AND SPERMITS@COL	M THE CITY OF 4:00 PM MOND LUMBUS.GOV	COLUMBUS, DEPARTMENT OF F AY THROUGH FRIDAY. PHONE	PUBLIC S :: (614)	CONTRACTOR SHALL OBTAIN AN ERVICE – PERMIT OFFICE BETWEEN THE 645–7497; FAX: (614) 645–1876;	FOR THEIF OVER THE TRAFFIC S	ALL BE CONSIDERED TO R ACTIONS. ALTHOUGH IR PLACEMENT. LEO'S CCHEME WITHOUT THE UNLESS AN EMERGEN	E SI PE	
STORMWATE ACCORDAN( MAINTENAN	R CONTROL F. E WITH THE S CE PLAN.	ACILITY OR FACI SCHEDULE OF LC	LITIES IN GOOD WORKING CON ONG TERM MAINTENANCE ACTIV	DITION A /ITIES IN	OR ASSIGNS SHALL MAINTAIN THE CCEPTABLE TO THE CITY AND IN THE STORMWATER CONTROL FACILITY NED INSPECTION CHECKLISTS IN A	IF A SAFE	TY HAZARD DEVELOPS	S,	
IAINTENAN ERFORMED IAINTENAN IPON REQU	CE INSPECTION BY THE PROI CE INSPECTION IEST. A COPY	I LOG, ALONG W PERTY OWNER T I LOG SHALL BE OF THE MAINTE	1TH RECORDED DATES AND DE O REMEDY THE DEFICIENCIES ( E KEPT ON THE PROPERTY AND NANCE INSPECTION LOG SHALL	ESCRIPTIO OBSERVE D SHALL L BE SUI	DNS OF MAINTENANCE ACTIVITIES D DURING PRIOR INSPECTIONS. THE BE MADE AVAILABLE TO THE CITY BMITTED ANNUALLY BY DECEMBER VANCE INSPECTION LOGS SHALL BE		RY TRAFFIC CONTROL WAY ONE LANE(S) OF JE.	TF	
UBMITTED ITY OF CC IVISION OF TORMWATE	TO: LUMBUS SEWERAGE A R AND REGUL					EXISTII CONST	WAY, TWO-LANE (ONE NG, PROPOSED, OR TE RUCTION DRAWING 15 RM TRAFFIC CONTROL	ЕМІ 10	
	OOD AVENUE OHIO 43206					UNDEF	ONTRACTOR SHALL CO GROUND TRAFFIC CON LIZED INTERSECTION(S)	N TF	
	1	EASEMENT REFE	RENCE		REVISIONS			Ρ	
CITY NO.	COUNTY RI	ECORDER PAGE	GRANTOR	NO.	DESCRIPTION		APPROVAL/DATE		

- RATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE BLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, ALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC ERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT DE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE NTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR E TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.
- HALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC TOR AT 614-645-0355 OR 614-645-5845, WRITTEN NOTIFICATION TO PAVING THE WAY AT RPC.ORG OR VERBAL TO (614)233-4200, PROJECT ENGINEER, AND THE SENIOR SERVICE AT 614-308-4373 OR FAX 614-275-5933, INFORMING THEM OF ALL UPCOMING RAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, , AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY ROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL IGTH OF ADVANCE NOTIFICATION REQUIRED:

S/ROAD CLOSURES LOSURES LASTING 2 WE LOSURES OF LESS THA LOSURES OF 2 DAYS (

- HALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, RED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF COLUMBUS JCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE NIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK MPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR AFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL TIES SHALL BE MAINTAINED AT ALL TIMES.
- C DURING HOLIDAYS AND SPECIAL EVENTS PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED AL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES. THE PERIOD OF TIME THAT BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR, 614-645-5845 OR CELL, EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12MIDNIGHT), MEMORIAL DAY, LABOR IVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR T SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PLACE EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC TOR OR COMPLETELY REMOVED FROM THE SITE.
- HALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY QUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBAL HOME GAMES.
- HALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY ERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR OR IMPROPERLY PLACED SIGNS.
- THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL ENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE S A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.
- LL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. ANENT TRAFFIC CONTROLS ARE STOP. YIELD, ONE WAY, DO NOT ENTER, RESTRICTED TURN EET NAME SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE IES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.
- AINING TRAFFIC

IN THE LUMP SUM ITEM 614.

CONDITIONS:

- NALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES HIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER FFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN ORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614
- C, LUMP SUM.
- 'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN GING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED RAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. NOT BE USED IN FLAGGING OPERATIONS.

MERGENCY DEVELOPS.

THE CONTRACTOR'S EXPENSE.

<u>ONTROL</u>

- NE (ONE-LANE EACH DIRECTION) TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF , OR TEMPORARY PAVEMENT PÉR CITY OF COLUMBUS MAINTENANCE OF TRAFFIC, STANDARD WING 1510 AND FIGURE 6H-32 TYPICAL APPLICATION 32 (TA-32) OF THE OHIO MANUAL OF ONTROL DEVICES.

AFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS RRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, TS. 1980 WEST BROAD STREET. COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 AND MASH CRASH TESTING

	ADVANCE NOTIFICATION NEEDED 30-DAY NOTIFICATION PRIOR TO CLOSURE.
VEEKS OR MORE	2-WEEKS
AN 2 WEEKS	3–DAYS
OR LESS	1–DAY

SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON DUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS

- DNSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO I OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO IM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), AND PER THE GNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS
- QUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC NIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC
- SHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE THE COLUMBUS POLICE DIVISION AT (614) 645-4795.
- DERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE THOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF UT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT
- EVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS PUBLIC SAFETY AND/OR THE PUBLIC
- E(S) OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON FIFTH AVENUE AND CLEVELAND

HALL CONTACT OHIO UTILITY PROTECTION SERVICE (OUPS) TO LOCATE AND MARK ALL FIC CONTROL CABLES PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY CTION(S) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE.

PLAN PREPARED BY: Kimley Horn	PROJECT TITLE:	PRIV
© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 7965 N. HIGH ST, SUITE 200 COLUMBUS, OH 43235 PHONE: 614-454-6697		
WWW.KIMLEY-HORN.COM		DIVISION US

THE SIGNAL OPERATION ENGINEER (614-645-6418) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISIONS OR POLE RELOCATIONS.

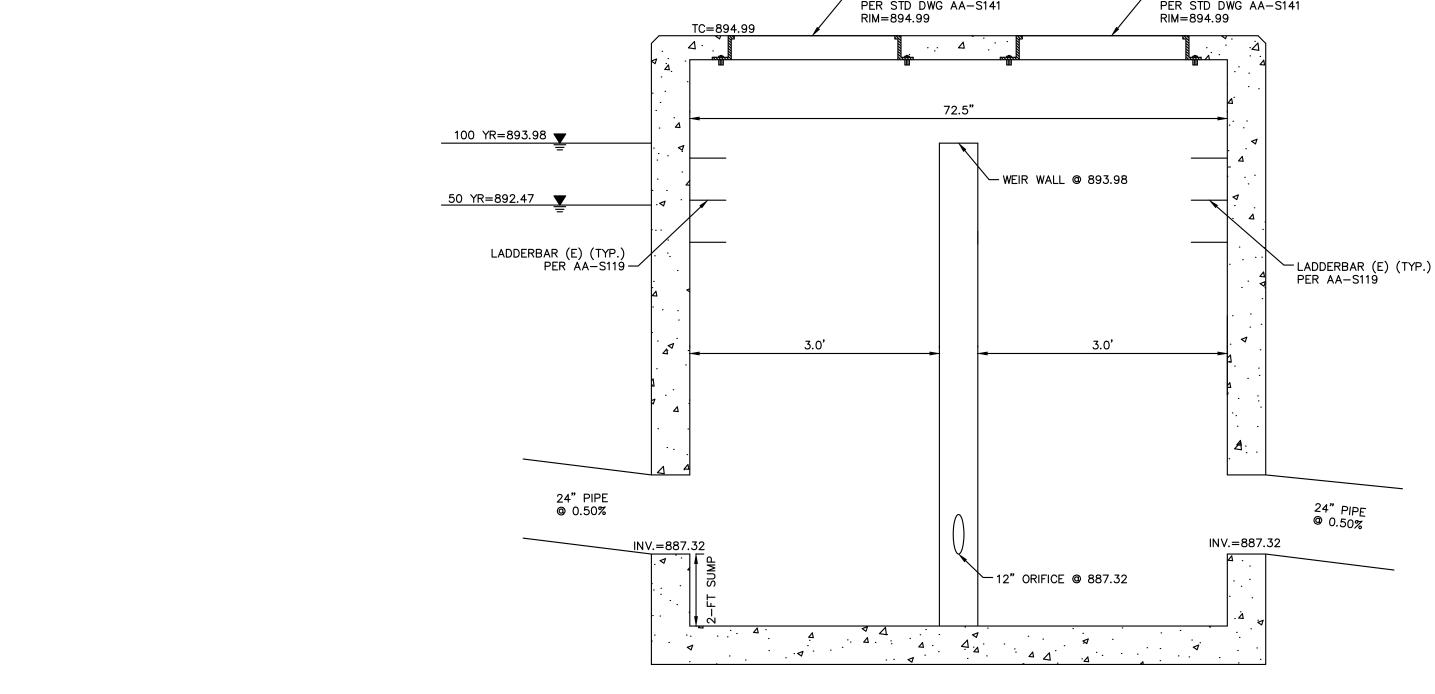
- 4.NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARM OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET, BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT SIGNAL OPERATION PERSONNEL AT 614-645-0423(CELL 614-419-4501) AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. IF UNABLE TO MAKE CONTACT THROUGH ABOVE NUMBERS, CALL 614-645-7393. STABILIZATION WILL BE DONE BY THE CONTRACTOR AT THE OWNERS'/CONTRACTING AGENCY'S EXPENSE.
- 5.SIGNAL CONDUIT CLEARANCE 3' HORIZONTAL AND 1' VERTICAL FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES.
- 6. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) BETWEEN 7:00 AM AND 4:00 PM, MONDAY THROUGH FRIDAY. IF UNABLE TO MAKE CONTACT THROUGH THE OTHER NUMBERS, CALL 614–645–7393.
- 7. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO CITY OF COLUMBUS, CMS-614.11- G, AND SHALL BE PAID FOR THROUGH THE 614-LUMP SUM.
- 8. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINES ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINÁL COURSES OF ASPHALT. PAINT OR TAPE MAY BE USED ON INTERMEDIATE COURSES OF ASPHALT. IF APPROVED BY THE ENGINEER, DRUMS WITH STEADY BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND DECEP RIGHT SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.
- 9. CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER ITEM 614 WORK ZONE PAVEMENT MARKING AND SHALL BE PLACED WITHIN ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE(S). ALL TEMPORARY STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED A MAXIMUM OF FORTY (40) FEET CENTER TO CENTER.
- EXISTING PERMANENT TRAFFIC CONTROL
- 1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.
- 3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.

DRIVE APPROACH, PEDESTRIAN FACILITY AND CURB RAMPS:

ALL DRIVE APPROACHES, PEDESTRIAN FACILITY, CURBS, AND RAMPS CONSTRUCTED WITH THIS PROJECT SHALL MEET THE REQUIREMENTS OF THE CITY OF COLUMBUS STANDARDS AND ADA COMPLIANCE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MEET THESE CONSTRUCTION STANDARDS.

DURATION OF WORK

THE DURATION OF THE WORK WHICH WILL AFFECT VEHICULAR AND PEDESTRIAN TRAFFIC IS 3-5 DAYS. THE PERMIT ASSOCIATED WITH THIS WORK IS NOT VALID FOR OTHER PHASES OF CONSTRUCTION.



RIVATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324 GENERAL NOTES		ER		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY			
USE ONLY		OW	NER				
		CONT	RACTO	२			
		INSPE	ECTOR			SCALE: AS SHOWN	SHEET:
	AGREEN	IENT	COMF	PLETED			3 OF 13
	RPD	CKD	CLD	CON.	DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
						CC-19432	

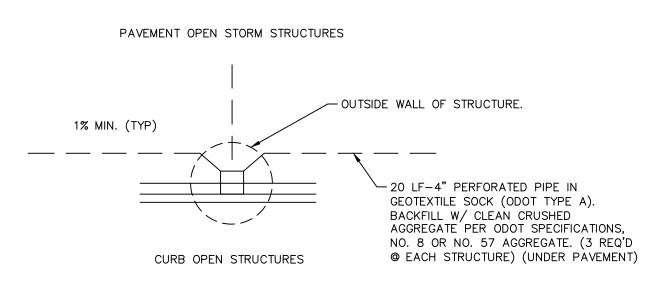
## OUTLET CONTROL STRUCTURE 2 NOT TO SCALE

# FINGER DRAIN DETAIL AT STORM STRUCTURES

- FRAME & COVER CASTING

N.T.S.

NOTE: WHERE THE DISTANCE FROM THE TOP OF STORM PIPE TO RIM ELEVATIONS EXCEED 4', INSTALL UNDERDRAIN INVERT AT 3' BELOW RIM ELEVATION. IN AREAS WHERE THE DISTANCE FROM THE TOP OF STORM PIPE TO RIM ELEVATIONS ARE LESS THAN 4', INSTALL UNDERDRAIN AT AN ELEVATION AT THE STRUCTURE THAT IS AT THE OUTFLOW PIPE ELEVATION.



- 20 LF-4" PERFORATED PIPE IN

BACKFILL W/ CLEAN CRUSHED

- OUTSIDE WALL OF STRUCTURE.

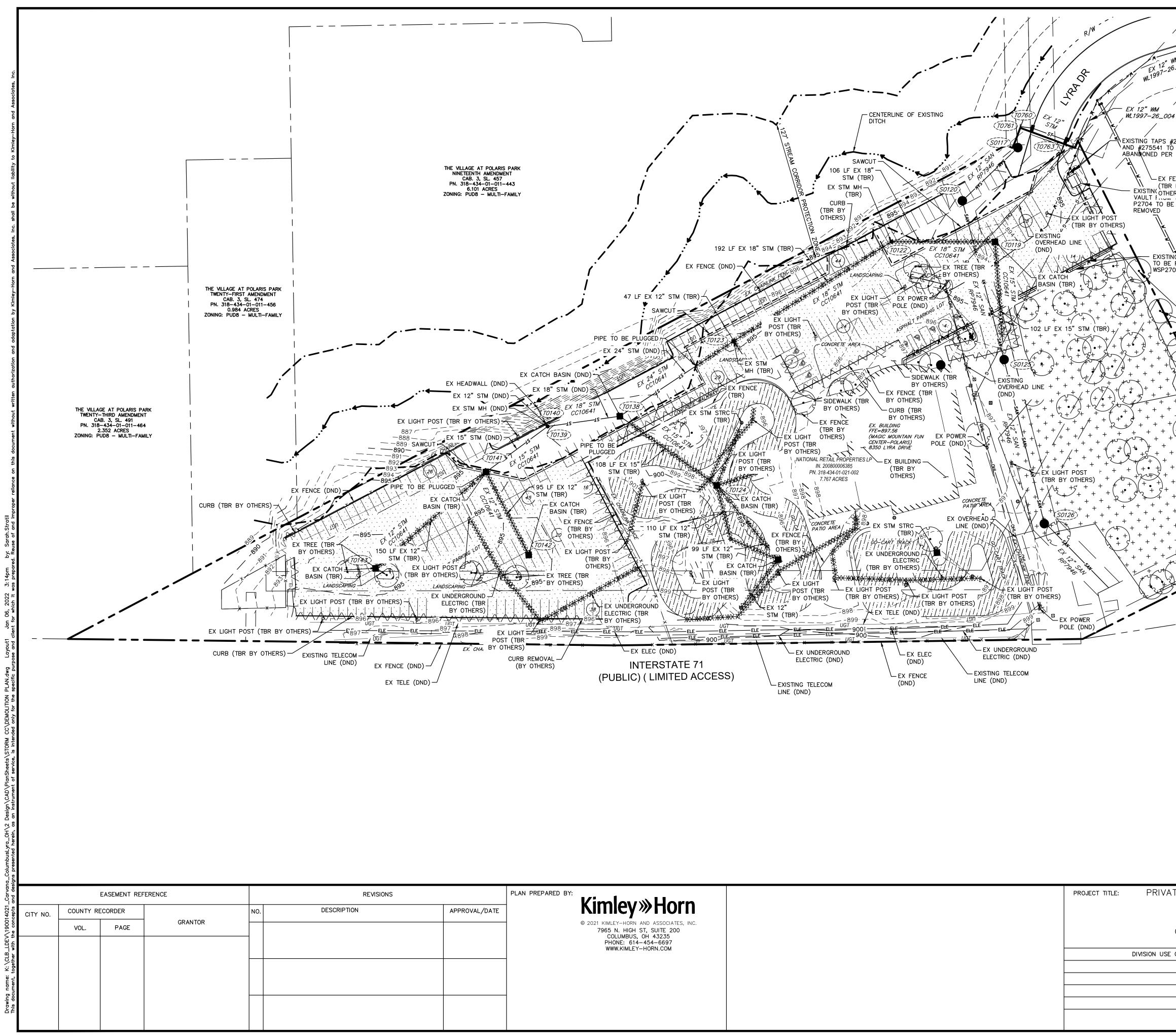
GEOTEXTILE SOCK (ODOT TYPE A).

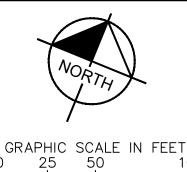
AGGREGATE PER ODOT SPECIFICATIONS,

NO. 8 OR NO. 57 AGGREGATE. (3 REQ'D

© EACH STRUCTURE) (UNDER PAVEMENT)

- FRAME & COVER CASTING





100

30' PARKING & MANEL

50' BLDG SETBACK

#275540 TO BE			
ER CMSC 808			
FENCE	\	- PROPERTY BOL	
R BY IERS)		EXISTING RIGHT	T-OF-WAY
			l
	<u> </u>	EXISTING SIDEV	VALK
	<u>, , , , , , , , , , , , , , , , , , , </u>	EXISTING BUILD	DING
	(	C EXISTING MANH	IOLE
N≰ ING WATERLINES E REMOVED PER		EXISTING CURB	INLET
704	[	EXISTING CATC	H BASIN
COLUMBUS HOTEL SUITES LLC		EXISTING VALV	E
D.B. 1632, PG. 1615 PN. 318-434-01-021-001	SAN		TARY SEWER
2.126 ACRES L-C4 - COMMERCIAL	S7	stst EXISTING STOR	M SEWER
EXISTING TREE TO REMAIN	OHL	OHL EXISTING OVER	HEAD WIRE
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NP LIMITED PARTNERSHIP	[+		
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ZONING: C – COMMERCIAL		BR TO BE REMOVE	
		RLO TO BE RELOCA	
		ND DO NOT DISTRI	UB
	WATERLIN UNDISTU	STORM SEWERS, SANITARY SEWERS NES SHALL BE PROTECTED AND REN RBED UNLESS SPECIFICALLY LISTED	MAIN IN PLACE FOR
	2. THE CON	NMENT AND/OR REMOVAL ON THE INTRACTOR SHALL OBTAIN ALL NECES	
		) Demolition . Be the responsibility of the C	CONTRACTOR TO
	REMOVAL NOT PRE ORGANIZ COMPLET	ALL DEBRIS ASSOCIATED WITH THI ASSIGNED FOR RETURN TO A SPE ATION, OFF-SITE PRIOR TO THE PR ON. IN NO INSTANCE SHALL MATER	S DEMOLITION, CIFIC OJECT
	CURB TC	AND REMOVE EXISTING CONCRETE S THE NEAREST JOINT. CONNECT PR TO EXISTING CONCRETE WITH EXF	OPOSED
	MATERIAI 5. THE CON	AS NEEDED. TRACTOR IS RESPONSIBLE FOR THE CENT PROPERTIES OF STRUCTURES	RESTORATION
	BECOME	DAMAGED AS A RESULT OF DEMOL	ITION.
	SHOWN O IN ACCO	STING PAVEMENT DISTURBED BEYON ON THE PLANS SHALL BE REPAIRED RDANCE WITH ITEM 252 AND CITY ( RD DRAWING 1441 AT THE CONTRAC	OR REPLACED DF COLUMBUS
	7. PROTECT ANY DAM	ALL EXISTING SITE FEATURES TO F MAGES TO THE SATISFACTION OF TH AL COST.	REMAIN. REPAIR
	8. ANY EXIS CONSTRU	STING STORM INLETS IMPACTED BY OCTION ACTIVITY WILL NEED THE AP ION FOR SEDIMENT CONTROL.	
ATE STORM AND STORM			
FACILITIES FOR			
CARVANA 8350 LYRA DRIVE		CITY OF CO	
COLUMBUS, OH 4324(	C	DEPARTMENT OF F	
DEMOLITION PLAN		DIVISION OF SEWENXA	
ONLY	OWNER		
	INSPECTOR AGREEMENT COMPLETED	SCALE: AS SHOWN	SHEET: 4 OF 1

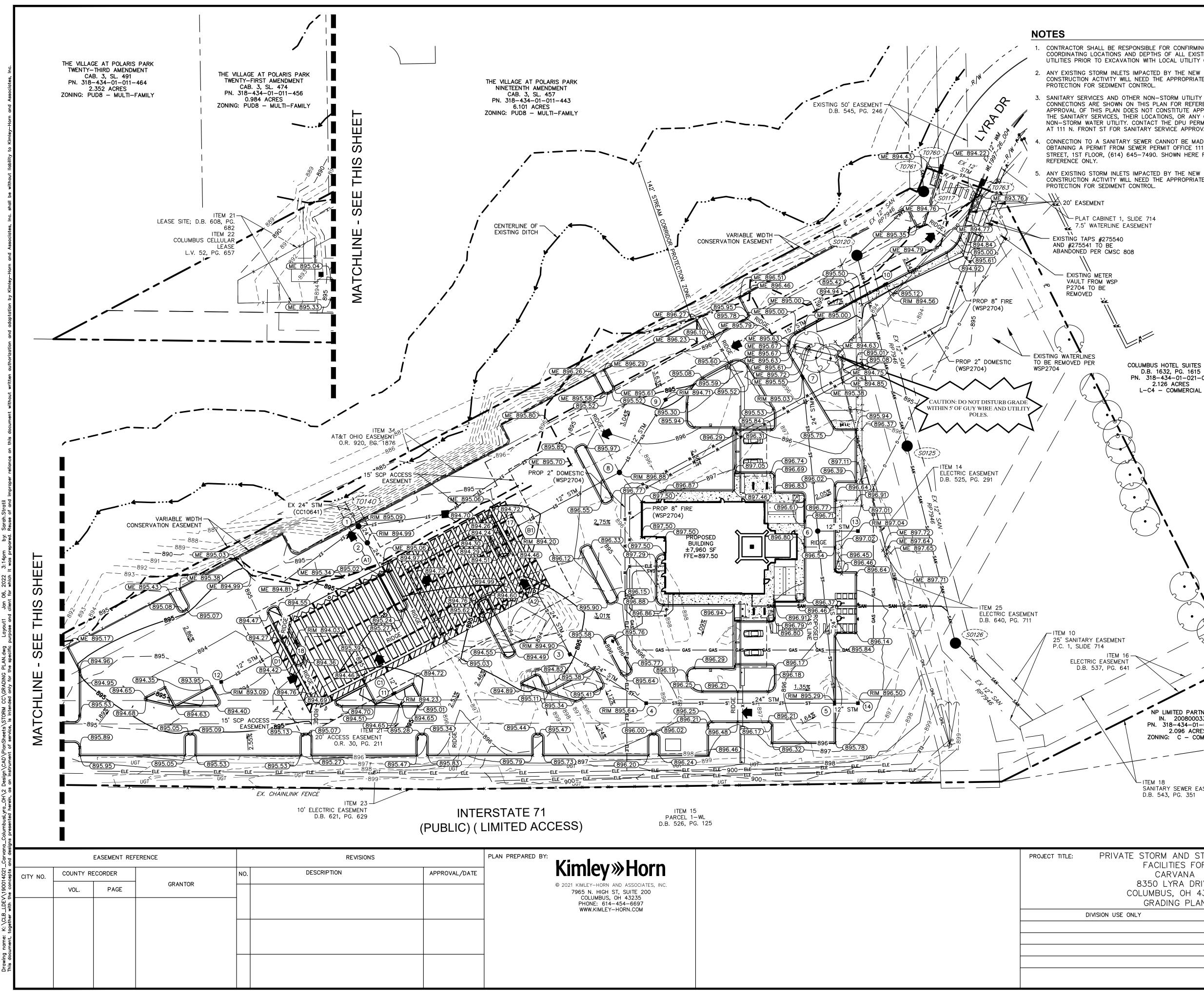
AGREEMENT COMPLETED

RPD CKD CLD CON. DR.

CONTRACT DRAWING NO.

CC-19432

RECORD PLAN NO.



. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING & COORDINATING LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION WITH LOCAL UTILITY COMPANIES.

2. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

. SANITARY SERVICES AND OTHER NON-STORM UTILITY CONNECTIONS ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES, THEIR LOCATIONS, OR ANY OTHER NON-STORM WATER UTILITY. CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT ST FOR SANITARY SERVICE APPROVAL.

CONNECTION TO A SANITARY SEWER CANNOT BE MADE WITHOUT OBTAINING A PERMIT FROM SEWER PERMIT OFFICE 111 N. FRONT STREET, 1ST FLOOR, (614) 645-7490. SHOWN HERE FOR REFERENCE ONLY.

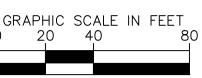
CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET

COLUMBUS HOTEL SUITES LLC D.B. 1632, PG. 1615 PN. 318-434-01-021-001 2.126 ACRES L-C4 - COMMERCIAL ITEM 16 —

NP LIMITED PARTNERSHIP NF LIMITED FARTNERSHIP IN. 200800033580 PN. 318-434-01-021-015 2.096 ACRES ZONING: C - COMMERCIAL -ITEM 18 SANITARY SEWER EASEMENT

D.B. 543, PG. 351







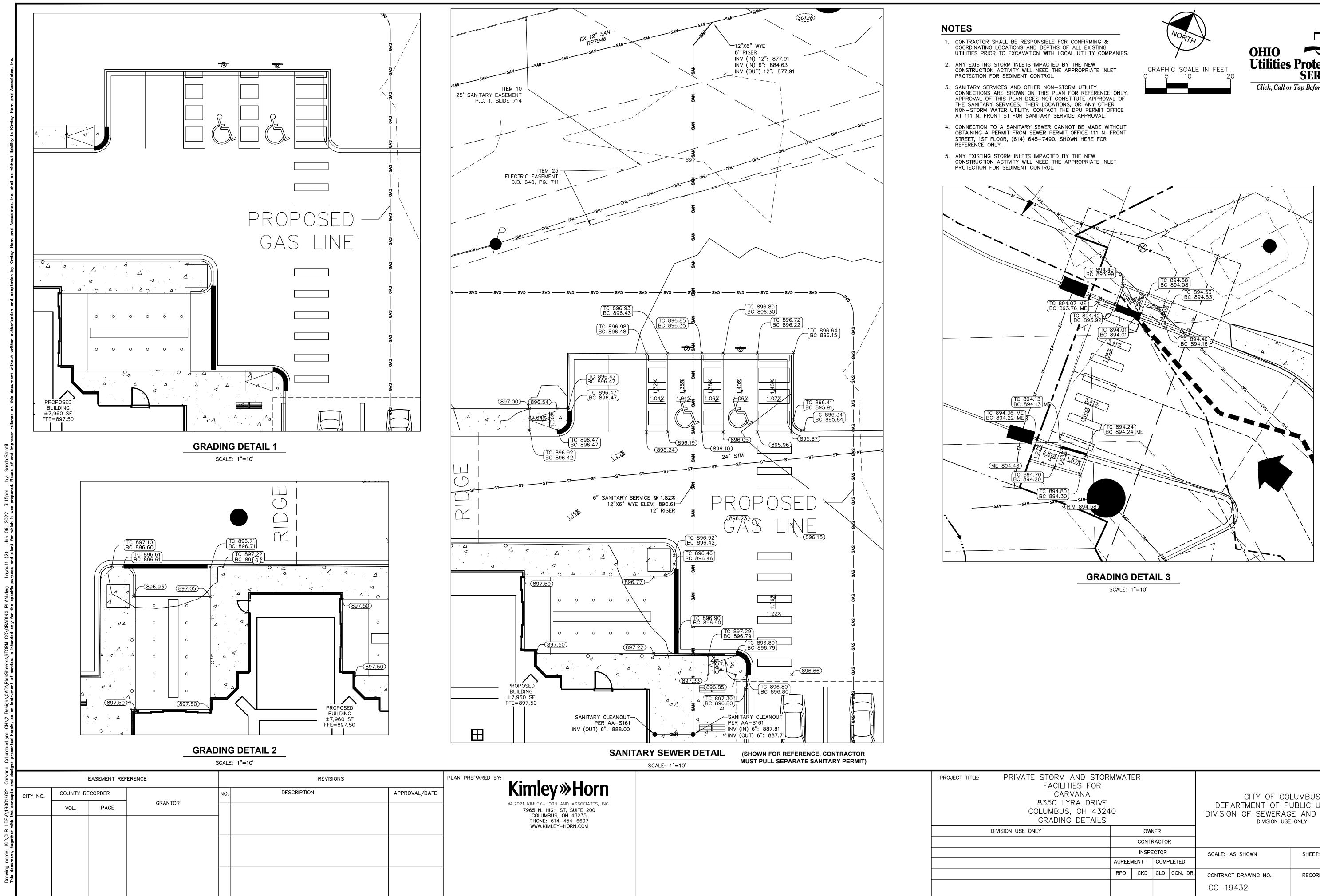
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PROPERTY BOUNDARY
EXISTING RIGHT-OF-WAY
EXISTING INDEX CONTOUR
EXISTING INTERMEDIATE CONTOUR
EXISTING CURB
EXISTING SIDEWALK
EXISTING BUILDING
EXISTING MANHOLE
EXISTING CURB INLET
EXISTING CATCH BASIN
EXISTING VALVE
EXISTING SANITARY SEWER
EXISTING STORM SEWER
EXISTING OVERHEAD WIRE
EXISTING UNDERGROUND ELECTRIC
EXISTING ELECTRIC METER
EXISTING TELECOM LINE
EXISTING WATER LINE
EXISTING GAS LINE
EXISTING GAS METER
EXISTING POWER POLE
EXISTING LIGHT POLE
EXISTING TELEPHONE POLE
EXISTING SIGN
EXISTING BOLLARD
PROPOSED CURB
PROPOSED BUILDING
PROPOSED SIDEWALK/PAVEMENT EDGE
PROPOSED SIGN
PROPOSED INDEX CONTOUR
PROPOSED INTERMEDIATE CONTOUR
PROPOSED UNDERGROUND ELECTRIC
PROPOSED STREET LIGHT
PROPOSED GAS SERVICE
PROPOSED SANITARY SERVICE
PROPOSED STORM CATCH BASIN
PROPOSED STORM/SANITARY MANHOLE
PROPOSED STORM SEWER
PROPOSED WATERLINE
GROUND ELEVATION
RIM ELEVATION
EXISTING ELEVATION
FLOW ARROW
RIDGE LINE
MAJOR FLOOD ROUTE (GREATER THAN 100 YR. EVENT)
,
SAWCUT LINE

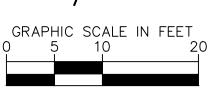
SAWCUT LINE

RIVATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324 GRADING PLAN		ER		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY			
USE ONLY	OWNER						
		CONT	RACTO	२			
		INSPE	ECTOR			SCALE: AS SHOWN	SHEET:
	AGREEN	IENT	COMF	PLETED	)		5 OF 13
	RPD	CKD	CLD	CON.	DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
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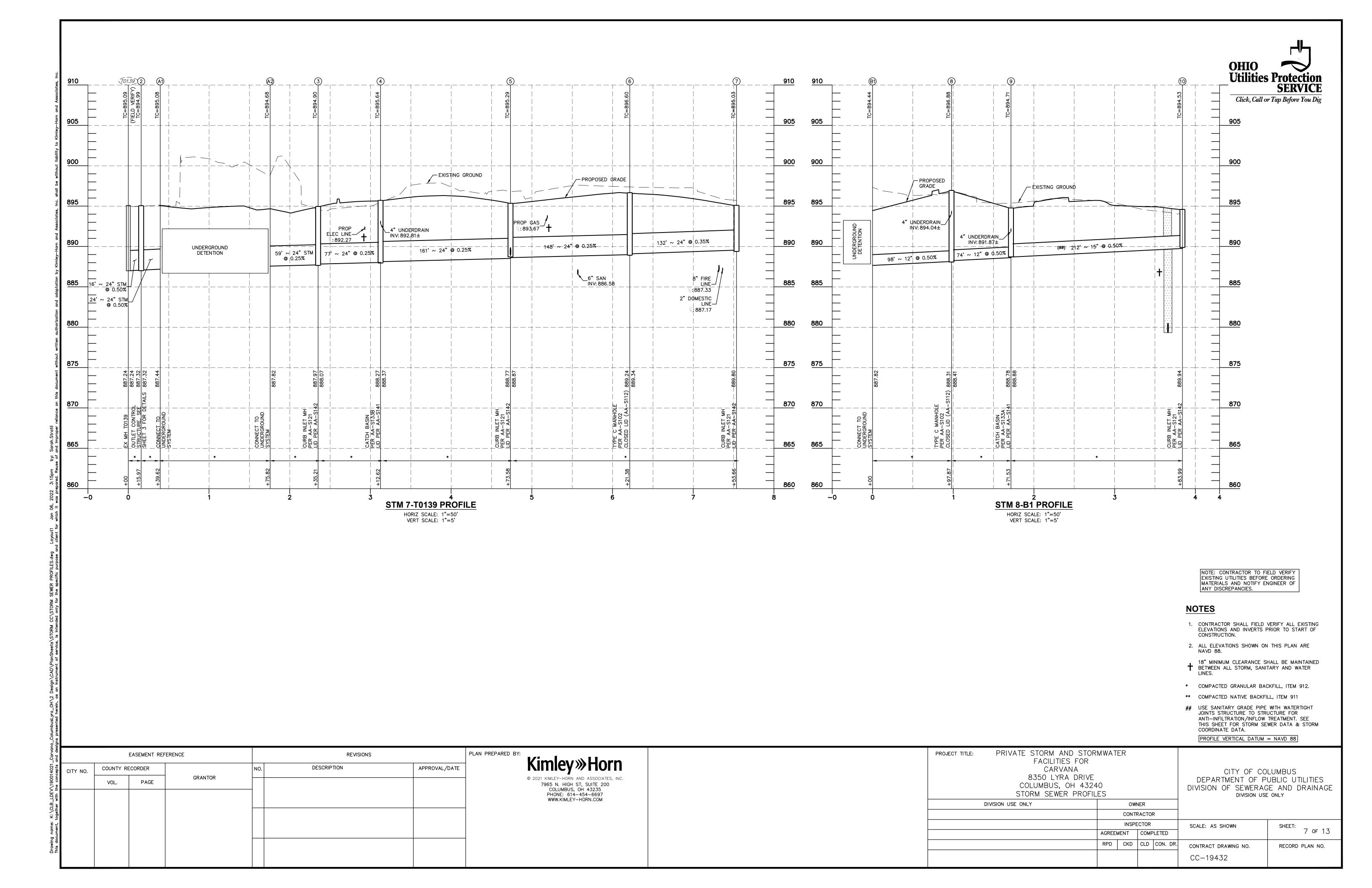


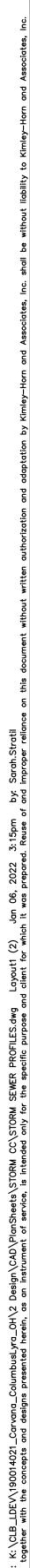


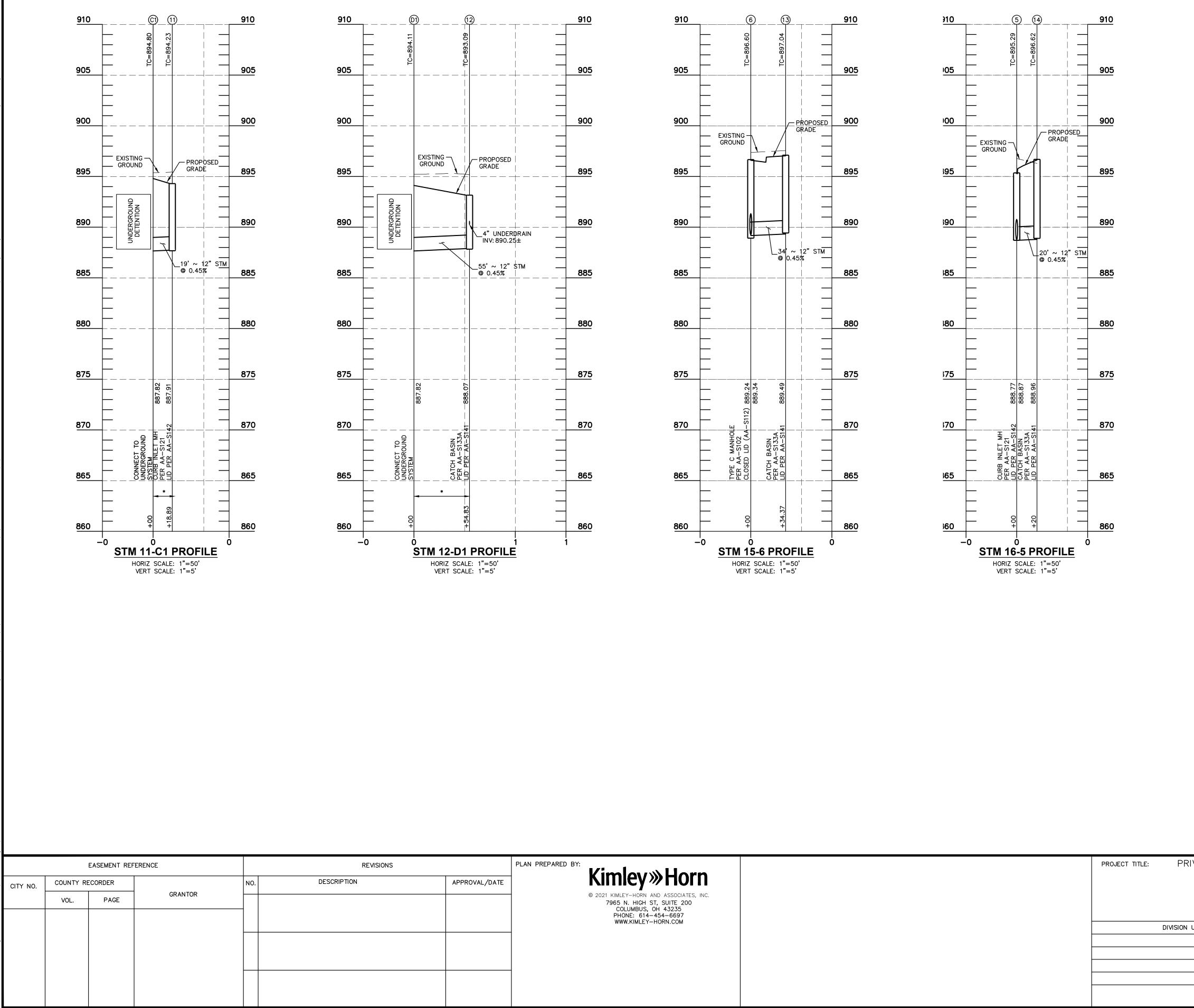


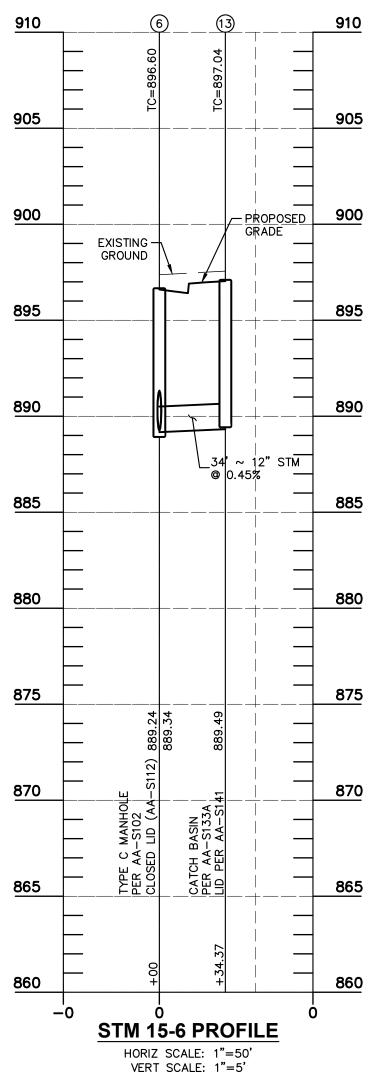


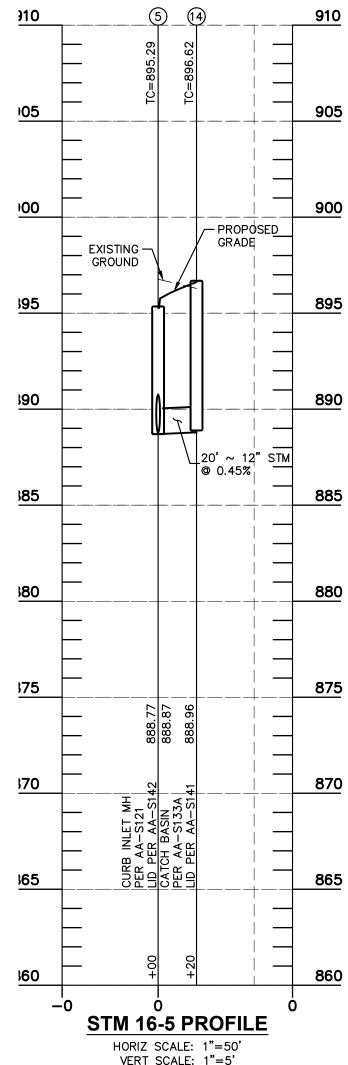
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE SHEET: 6 OF 13 RECORD PLAN NO.











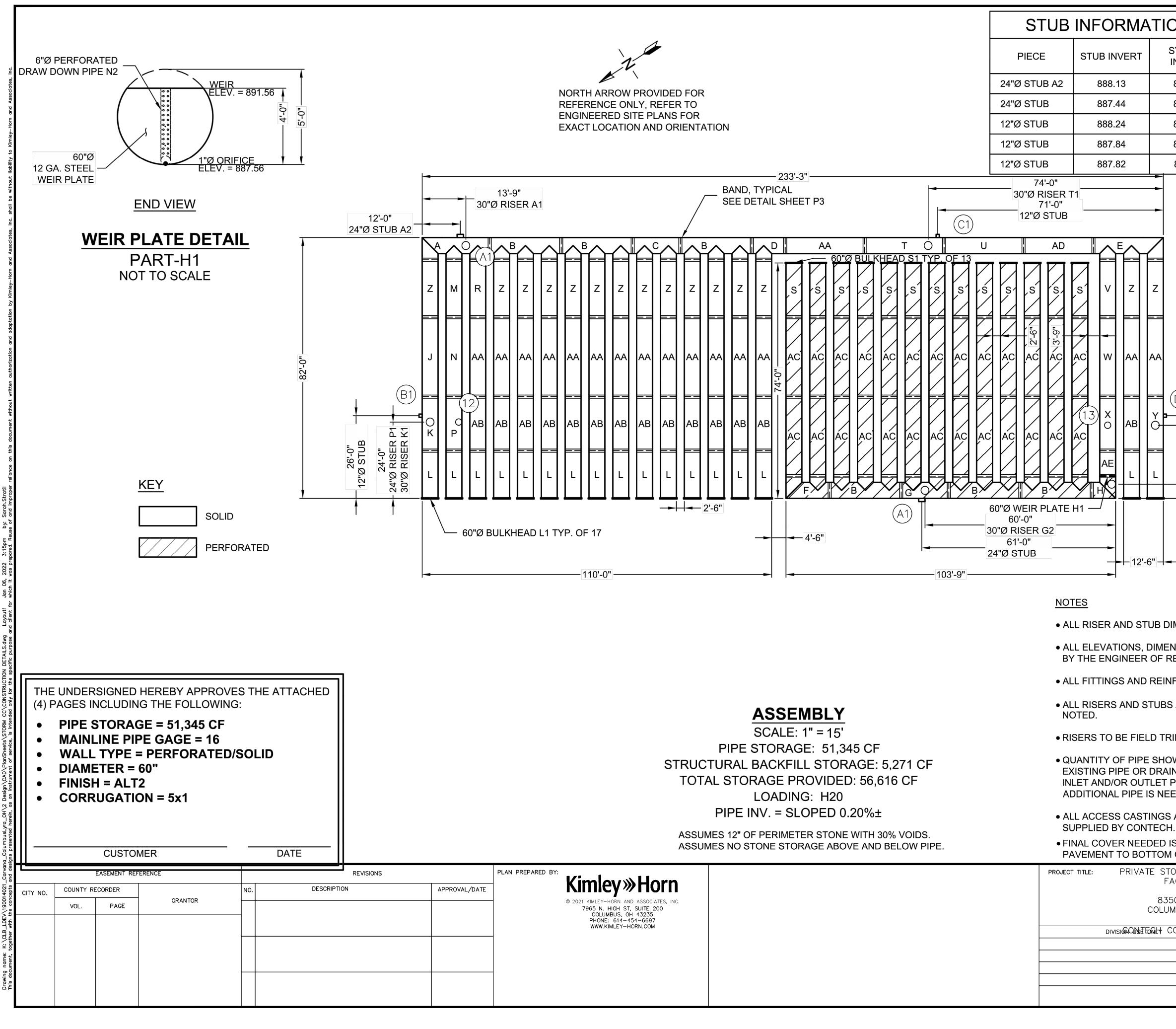


NOTE: CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES BEFORE ORDERING MATERIALS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

## NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND INVERTS PRIOR TO START OF CONSTRUCTION.
- 2. ALL ELEVATIONS SHOWN ON THIS PLAN ARE NAVD 88.
- 18" MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN ALL STORM, SANITARY AND WATER LINES.
- \* COMPACTED GRANULAR BACKFILL, ITEM 912.
- \*\* COMPACTED NATIVE BACKFILL, ITEM 911
- ## USE SANITARY GRADE PIPE WITH WATERTIGHT JOINTS STRUCTURE TO STRUCTURE FOR ANTI-INFILTRATION/INFLOW TREATMENT. SEE THIS SHEET FOR STORM SEWER DATA & STORM COORDINATE DATA. PROFILE VERTICAL DATUM = NAVD 88

PRIVATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324 STORM SEWER PROFIL	-0	ER	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY			
VISION USE ONLY		OW	NER			
		CONT	RACTO	R		
		INSPE	CTOR		SCALE: AS SHOWN	SHEET:
	AGREE	REEMENT COMPLETED				8 OF 13
	RPD	CKD	CLD	CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
					CC-19432	



MA	TION		RISER INFORMATION					
ERT	SYSTEM INVERT		PIECE	RIM ELEV.	SYSTEM INVERT			
}	888.13		30"Ø RISER A1	894.68	888.13			
Ļ	887.44		30"Ø RISER H2	894.03	887.59			
Ļ	888.24		30"Ø RISER G2	895.08	887.44			
Ļ	887.84		30"Ø RISER K1	894.20	888.24			
2	887.61		24"Ø RISER P1	894.20	888.24			
	→ →		30"Ø RISER T1	894.80	887.84			
	-		24"Ø RISER X1	894.03	887.61			
			30"Ø RISER Y1	894.11	887.61			
Z	Z							
AA	AA							
	-= (D1) γ <b>-</b>							
AB								
L		,	26'-0" 12"Ø STUB					

• ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE.

H2

4'-5" RISER

Ø

• ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD (EOR) PRIOR TO RELEASING FOR FABRICATION.

• ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.

 $\times$ 

23'-0" RISER

• ALL RISERS AND STUBS ARE  $2\frac{2}{3}$ " x  $\frac{1}{2}$ " CORRUGATION AND 16 GAGE UNLESS OTHERWISE

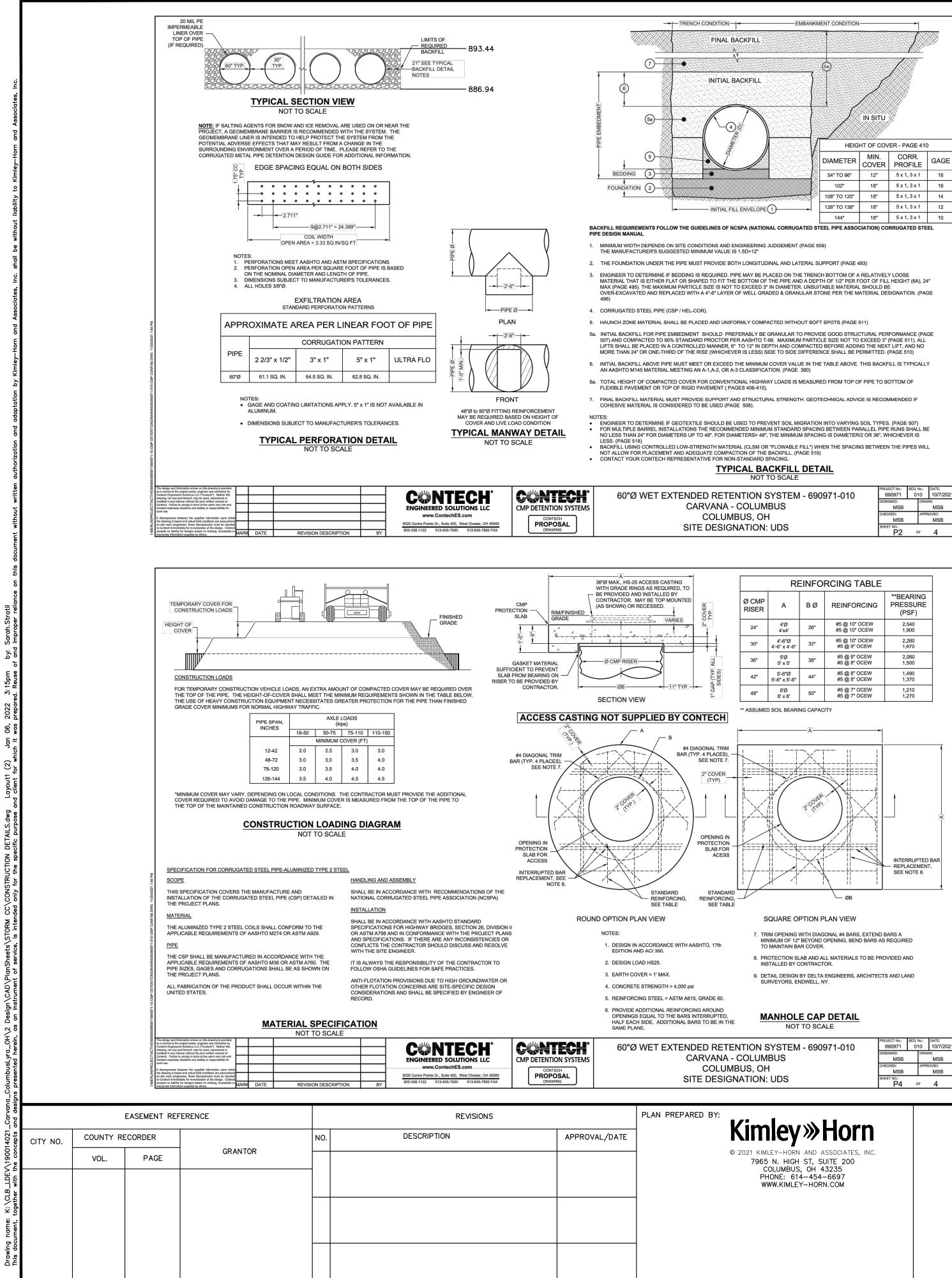
• RISERS TO BE FIELD TRIMMED TO GRADE AS REQUIRED, BY CONTRACTOR.

• QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.

• ALL ACCESS CASTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT SUPPLIED BY CONTECH.

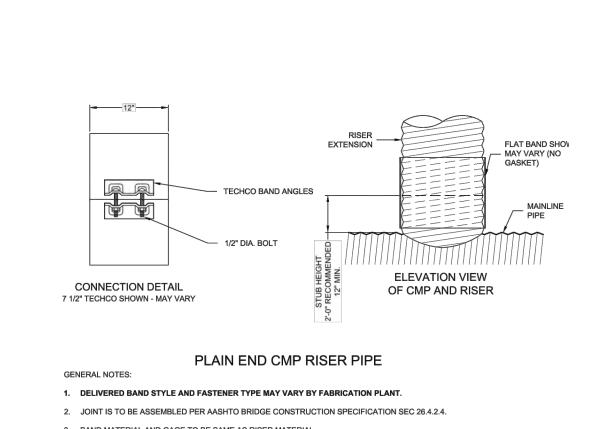
• FINAL COVER NEEDED IS A MINIMUM OF 12" FOR THIS SYSTEM (MEASURED FROM TOP OF RIGID PAVEMENT TO BOTTOM OF FLEXIBLE PAVEMENT)

VATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324		ER		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY		
NEEDONH CONSTRUCTION [	PETAIL	_S own	NER			
		CONT	RACTO	R		
		INSPE	ECTOR		SCALE: AS SHOWN	SHEET:
	AGREEN	MENT	COMF	PLETED		OF 13
	RPD	CKD CLD		CON. DR.	CONTRACT DRAWING NO.	9 RECORD PLAN NO.
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NOT TO SCALE				
	PROJECT No.:	SEQ. I		DATE:
DED RETENTION SYSTEM - 690971-010	690971	01	10	10/7/2021
	DESIGNED:		DRAWN:	
ARVANA - COLUMBUS	MSB			MSB
COLUMBUS, OH	CHECKED:		APPRO	OVED:
	MSB			MSB
TE DESIGNATION: UDS	SHEET NO .:			_
	I P2	0	)F	4

PR	ROJECT No.:	SEQ. N	0.:	DATE:	Ĩ
DED RETENTION SYSTEM - 690971-010	690971	010	0	10/7/202	1
	ESIGNED:	ſ	DRAW	N:	Ĩ
CARVANA - COLUMBUS	MSB			MSB	
COLUMBUS, OH	HECKED:	/	APPRO	OVED:	
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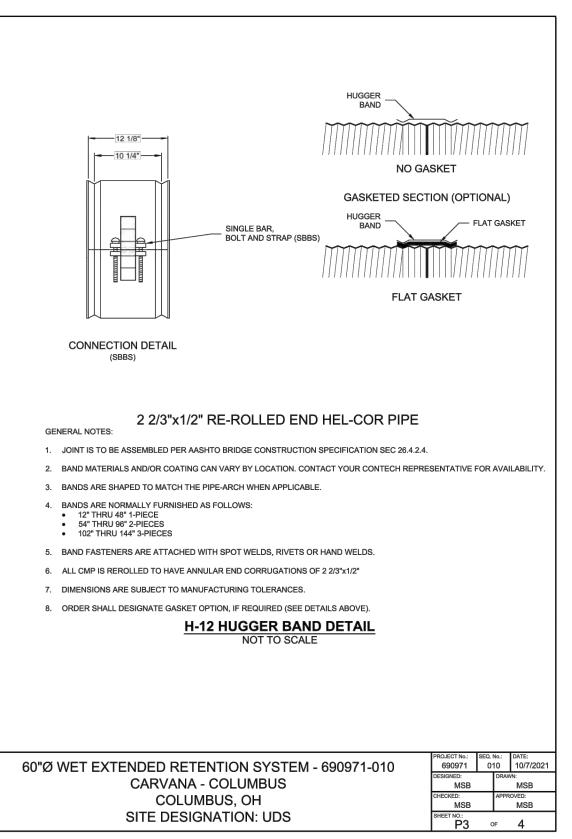


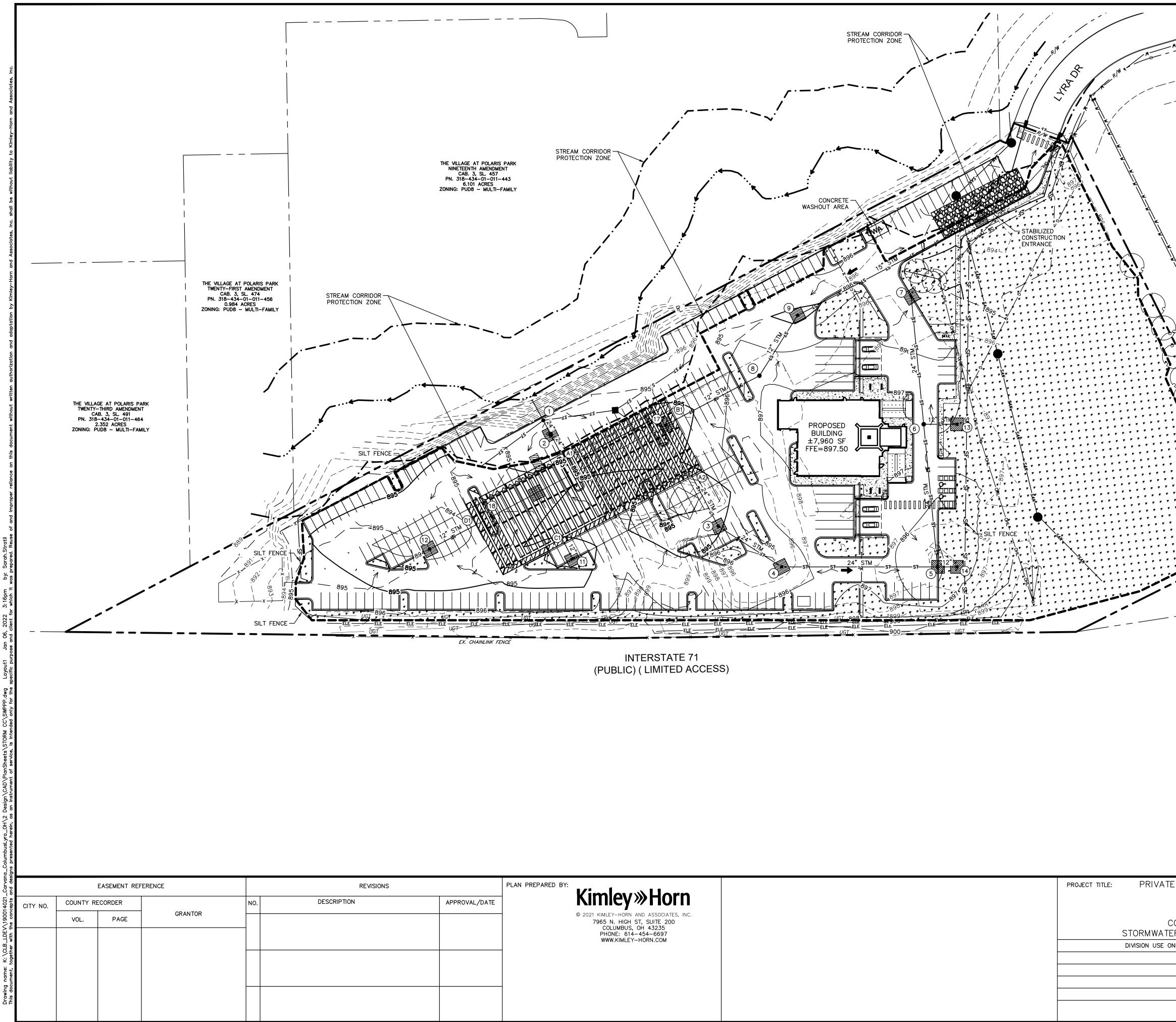
- 3. BAND MATERIAL AND GAGE TO BE SAME AS RISER MATERIAL.
- 4. IF RISER HAS A HEIGHT OF COVER OF 10' OR MORE, USE A SLIP JOINT. 5. BANDS ARE NORMALLY FURNISHED AS FOLLOWS:
- 12" THRU 48" 1-PIECE 54" 2-PIECES
- 6. ALL RISER JOINT COMPONENTS WILL BE FIELD ASSEMBLED.
- 7. MANHOLE RISERS IN APPLICATIONS WHERE TRAFFIC LOADS ARE IMPOSED REQUIRE SPECIAL DESIGN CONSIDERATIONS.
- 8. DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

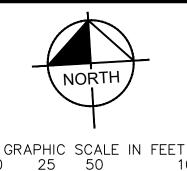
12" RISER BAND DETAIL NOT TO SCALE

10060							
Ē	The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this						
ACT	drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of					<b>C</b> NTECH	<b>CCENTECH</b>
L	Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.					ENGINEERED SOLUTIONS LLC	CMP DETENTION SYSTEMS
PRC	If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered					www.ContechES.com	CONTECH
물	as site work progresses, these discrepancies must be reported					9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069	PROPOSAL
WVI	to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.	MARK	DATE	REVISION DESCRIPTION	BY	800-338-1122 513-645-7000 513-645-7993 FAX	DRAWING

BY: Kinley-HORN AND ASSOCIATES, INC. 7965 N. HIGH ST, SUITE 200 COLUMBUS, OH 43235 PHONE: 614-454-6697 WINNER (JOEN) COLU	PROJECT TITLE: PRIVATE STORM AND STORMWATER FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 43240 CONTECH CONSTRUCTION DETAILS				CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY	
WWW.KIMLEY-HORN.COM	DIVISION USE ONLY		OWNER			
			ONTRAC	CTOR		
			NSPECT	OR	SCALE: AS SHOWN	SHEET:
		AGREEMEN	т со	OMPLETED		10 OF 13
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LEGEND

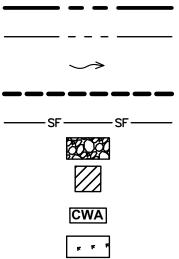
- - O' BLDG SETBACA

COLUMBUS HOTEL SUITES LLC D.B. 1632, PG. 1615 PN. 318–434–01–021–001 2.126 ACRES L–C4 – COMMERCIAL

NP LIMITED PARTNERSHIP

2.096 ACRES ZONING: C - COMMERCIAL

IN. 200800033580 434-01-021-015



PROPERTY BOUNDARY EXISTING RIGHT-OF-WAY PROPOSED DRAINAGE ARROWS LIMITS OF DISTURBANCE SILT FENCE STABILIZED CONSTRUCTION ENTRANCE INLET PROTECTION

CONCRETE WASHOUT AREA

TEMPORARY SEEDING

## NOTES

CONNECTIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO INSTALLATION AND SERVICE

ALL PROPOSED CATCH BASINS SHALL HAVE INLET PROTECTION, SEE SILT FENCE DROP INLET SEDIMENT BARRIER DETAIL, SHEET 12–13.

ALL PROPOSED CURB INLETS SHALL HAVE INLET PROTECTION, SEE DANDY CURB INLET BAG DETAIL, SHEET 12-13.

PUBLIC ROADWAYS ARE TO BE SWEPT WHENEVER THERE IS TRACKING OF MUD OR DIRT ON THE ROADS. TRACKING OF SEDIMENT WILL NOT BE PERMITTED AND WILL CAUSE THE CLOSURE OF THE TEMPORARY CONSTRUCTION ACCESS UNTIL CORRECTED. A WHEEL WASH MAY BE REQUIRED AT THE CITY'S DISCRETION.

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

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.

ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

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

THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION

ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

VATE STORM AND STOR FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 4324 VATER POLUTION PREVE	-0		N	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY		
ISE ONLY	OWNER					
	CONTRACTOR					
		INSPE	ECTOR		SCALE: AS SHOWN	SHEET:
	AGREEN	MENT	COMF	PLETED		11 OF 13
	RPD CKD CLD CON. DR.			CON. DR.	CONTRACT DRAWING NO.	RECORD PLAN NO.
					CC-19432	

<u>SITE NARRATIVE</u> PLAN DESIGNER:	7965 N. HIGH COLUMBUS, OH (614) 454–669	43235				R WITHIN 2 DAYS FO	
FUTURE OWNER AND	CARVANA					IZATION TYPE	J F M A
ON-SITE CONTACT:	1930 W RIO SA TEMPE, AZ 852 (630) 470-548	281				ANENT SEEDING	
	BRETT.HANLON®	@CARVANA.COM				RARY SEEDING	
PROJECT DESCRIPTION:	IS BORDERED C AND ON THE S CONSISTS OF A	OUTH AND EAST BY RESID	318-434-01-02 ENTIAL PROPERTIE VENDING MACHIN	1–001, ON THE EAST INTERSTATE 71 S. THE PROPOSED DEVELOPMENT IE, UTILITY CONNECTION, PARKING	SODDII		
EXISTING SITE:		PROXIMATELY 7.77 ACRE		CRE WILL BE DISTURBED BY	STORMWATE	R MANAGEMENT	
RECEIVING STREAM:	ALUM CREEK					ER DRAINAGE WILL B DLUMBUS STORM SEV	
SOIL TYPE:	BeA – BENNIN BeB – BENNIN	O SILTY CLAY LOADM, O T GTON SILT LOAM, O TO 2 I GTON SILT LOAM, 2 TO 6 I DINGTON SILT LOAM, 6 TO	PERCENT SLOPES		LICENSED S MANAGEMEN	MATERIALS WILL BE SOLID WASTE MANAG NT REGULATIONS. AL	EMENT COMPANY. 1 L TRASH AND CON
CONSTRUCTION SEQUENCE:	2. INSTALL STA	FENCE AND DANDY BAGS ABILIZED CONSTRUCTION EN			TRASH WILL BE INSTRUC	THE DUMPSTER WIL BE HAULED OFF-S CTED REGARDING THI IN THE OFFICE TRA	ITE. NO CONSTRUC E CORRECT PROCED
		GRUB UNDERGROUND DETENTION H SITE GRADING	FACILITY BEGINNI	NG WITH 'ISOLATOR ROW'	RESPONSIBL	LE FOR SEEING THAT STE WILL BE DISPOS	THESE PROCEDUR
	7. STABILIZE D	THAT AREA		DAYS OF LAST CONSTRUCTION	OR BY THE	<u>S WASTE:</u> DOUS WASTE MATER MANUFACTURER. SI AY SITE OPERATIONS	TE PERSONNEL WIL
	9. BUILDING CC 10. FINAL GRAE	ONSTRUCTION DING AND INSTALL PERMAN	ENT SEEDING		SANITARY V	WASTE:	
	12. RESEED AN	HARDSCAPING/PAVING IY DISTURBED AREAS AND STRUCTION BMP'S AFTER S			LICENSED S	RY WASTE WILL BE SANITARY WASTE MA	
SCHEDULE:				TIONS TO THE OWNER. E PLACED IN ACCORDANCE WITH	OFF-SITE T HELP REDU REMOVE AN	/EHICLE TRACKING: TRACKING OF SEDIME CE VEHICLE TRACKIN IY EXCESS MUD, DIR ION SITE WILL BE C	NG OF SEDIMENTS. T OR ROCK TRACK
OHIO EPA FACILITY/ PERMIT NUMBER:	PENDING				THERE SHA	<u>G ACTIVITIES:</u> LL BE NO TURBID D	
SITE CONTACT:	CARVANA (702) 767–427				PRIOR TO [		PASS THROUGH A
	1930 W RIO SA TEMPE, AZ 852 CONTACT: DILLO				ALL PROCE	/ <u>ASTEWATER:</u> SS WASTEWATER (EC AND DISPOSED OF	
<u>GENERAL NOTES</u>	EMAIL: DILLON.	ARMSTRONG@CARVANA.COM			TIMING OF	CONTROLS/MEASURE	<u>S</u>
		MPLY WITH ALL LOCAL ERC	SION/SEDIMENT C	ONTROL, WASTE DISPOSAL, SANITARY	CONSTRUCT	ED IN THE SEQUENC ED PRIOR TO CLEAR	RING OR GRADING C
ALL EROSION AND SED	IMENT CONTROL P		STANDARDS AND	SPECIFICATIONS OF THE OHIO	GRUBBING A	MPLEMENTED FOR A ACTIVITIES. AREAS W WITH A TEMPORARY F A STREAM, AND W	HERE CONSTRUCTIO
	OL ITEMS MAY BE	NECESSARY DUE TO ENVI		ITIONS. THE CONTRACTOR SHALL CONTROL ITEMS, AT THE ENGINEER'S	FROM A ST WITH PERM	REAM, AND W REAM. ONCE CONST ANENT SEED AND M ROM THE BASIN ANI	RUCTION ACTIVITY ( ULCH. AFTER THE I
	AND MAINTENANCE	WILL BE PROVIDED FOR A	LL EROSION AND	SEDIMENT CONTROL PRACTICES.	THE FOLLO	MANAGEMENT PRACT MING ARE THE MATE CIDENTAL EXPOSURE	RIAL MANAGEMENT
THE CONTRACTOR SHA AREAS DESIGNATED AS		CONTROL MEASURES AS NE	CESSARY TO PRE	VENT SEDIMENT MOVEMENT INTO		SEKEEPING: THE FOL 10N PROJECT.	LOWING GOOD HOU
		DISCHARGED INTO STORM W				WILL BE MADE TO IALS STORED ONSITE	
STORMWATER CONTROL ACCORDANCE WITH THE	FACILITY OR FAC	ILITIES IN GOOD WORKING	CONDITION ACCEPT	ASSIGNS SHALL MAINTAIN THE FABLE TO THE CITY AND IN STORMWATER CONTROL FACILITY	AND, IF PO PRODUCTS	SSIBLE, UNDER A RO WILL BE KEPT IN TH	OOF OR OTHER END IEIR ORIGINAL CONT
MAINTENANCE PLAN.	SHALL MAINTAIN			NSPECTION CHECKLISTS IN A	WHENEVER	S WILL NOT BE MIXE POSSIBLE, ALL OF A JRERS' RECOMMENDA	A PRODUCT WILL BE
MAINTENANCE INSPECTI PERFORMED BY THE PF	ON LOG, ALONG V ROPERTY OWNER T	WITH RECORDED DATES AND TO REMEDY THE DEFICIENCI	) DESCRIPTIONS O ES OBSERVED DUI	F MAINTENANCE ACTIVITIES RING PRIOR INSPECTIONS. THE	THE SITE S	UPERINTENDENT WILI	_ INSPECT DAILY T
REQUEST. A COPY OF	THE MAINTENANCE	INSPECTION LOG SHALL E	BE SUBMITTED ANN	IADE AVAILABLE TO THE CITY UPON NUALLY BY DECEMBER 31 <sup>ST</sup> OF EACH SS SHALL BE SUBMITTED TO:		MUST BE POSTED C SITE-SPECIFIC NOI N	
		CITY OF COLUN DIVISION OF SEWERAGE				<u>S PRODUCTS:</u> THESE WILL BE KEPT IN OF	
	STORM	WATER AND REGULATORY 1250 FAIRWOOD / COLUMBUS, OHIO	VENUE	TION	ORIGINAL L	ABELS AND MATERIA S PRODUCT MUST BE SPOSAL WILL BE FOL	L SAFETY DATA WI DISPOSED OF, MA
OF OHIO EPA AND CIT				RECEIVING STREAM IS A VIOLATION D LIABLE FOR THE VIOLATION AND		PECIFIC PRACTICES	
		EVATION SHOULD BE STABI	LIZED QUICKLY WI	TH STRAW BLANKETS, JUTTE	PETROLEUM	PRODUCTS – ALL CE TO REDUCE THE	ONSITE VEHICLES V
	IMENT CONTROL P		) FIELD MODIFICAT	ION AT THE DISCRETION OF THE	CONTAINERS	S WHICH ARE CLEAR ACTURER'S RECOM	LY LABELED. ANY
CITY OF COLUMUBS AN <u>CONTROLS</u>	UT INE UHIO E	-r A.			TANKS SHA	AGE TANKS SHALL E ILL BE STORED IN A	DIKED AREA CAPA
EROSION AND SEDIMEN					MANUFACTL STORAGE W	S – FERTILIZERS USI JRER. ONCE APPLI /ILL BE IN A COVER	ED, FERTILIZER WIL RED SHED. THE CO
	TION - TOP SOIL			THE SITE WHERE CONSTRUCTION	PAINTS – /	ED TO A SEALABLE ALL CONTAINERS WIL	L BE TIGHTLY SEA
ACTIVITY TEMPORARILY LATER THAN 14 DAYS APPLIED AS PER THE	CEASES FOR AT FROM THE LAST O TEMPORARY SEEDI	LEAST 21 DAYS WILL BE S CONSTRUCTION ACTIVITY IN NG SPECIFICATIONS. AREAS	TABILIZED WITH TI THAT AREA. THE OF THE SITE WH	EMPORARY SEED AND MULCH NO TEMPORARY SEED SHALL BE ICH ARE TO BE PAVED WILL BE SPHALT PAVEMENT CAN BE APPLIED.	NOT BE D MANUFACTU	ISCHARGED TO THE JRERS' INSTRUCTION TRUCKS – CONCRET	STORM SEWER SYS NS OR STATE AND
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EAS WITHIN 50 FEET OF A STREAM. REFER TO LANDSCAPE PLAN FOR DETAILS.

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RRIGATION NEEDED
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 FOR 2–3 WEEKS AFTER
 SOD IS APPLIED

VIDED BY CURB AND GUTTER, STORM SEWER AND CATCH BASIN, OUTLETTING TO

LECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A T COMPANY. THE DUMPSTER WILL MEET ALL LOCAL, CITY AND STATE SOLID WASTE ASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL RECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE SE PROCEDURES ARE FOLLOWED. ALL CONSTRUCTION AND DEMOLITION DEBRIS F IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY ORC 3714

WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION RSONNEL WILL BE INSTRUCTED IN THESE PRACTICES. THE INDIVIDUAL WHO MANAGES BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

ECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A MENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO F SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO R ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE ED WITH A TARPAULIN.

RGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE,

ENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE PUBLICLY OWNED TREATMENT WORKS.

MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES EAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE D AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY ON ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE TEMPORARY RISER AND SKIMMER WILL BE REMOVED FROM THE OUTLET STRUCTURE.

MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

NG GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE

ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS R OTHER ENCLOSURE.

RIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

ITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. DDUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

PECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

TE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT ER) SHALL BE KEPT ON-SITE AT ALL TIMES.

TICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

FETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. POSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR

PRACTICES WILL BE FOLLOWED ONSITE:

E VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE NCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED BELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO

CATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL D AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

LL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE ERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. HED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TIC BIN TO AVOID SPILLS.

TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL I SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO STATE AND LOCAL REGULATIONS.

UCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- 1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- 2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- 3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING
- TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
  4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.
- 5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
- 6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- 7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

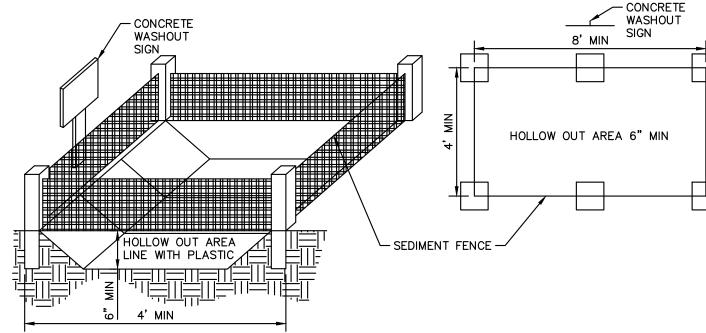
THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

- <u>VEGETATIVE COVER AND/MULCH</u> APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 21 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
- 2. <u>WATERING</u> SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- 3. <u>SPRAY-ON ADHESIVES</u> APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE GAL./AC.
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO-TRAFFIC)	4: 1	FINE	300
ACRYLIC EMULSION (NO-TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

- 4. <u>STONE</u> GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
- 5. <u>BARRIERS</u> EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
- 6. <u>CALCIUM CHLORIDE</u> THIS CHEMICAL MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIERS' SPECIFIED RATES.
- <u>OPERATION AND MAINTENANCE</u> WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
   <u>STREET CLEANING</u> – ON AN AS-NEEDED BASIS – IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION
- 8. <u>STREET CLEANING</u> 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.

CONCRETE WASHOUT



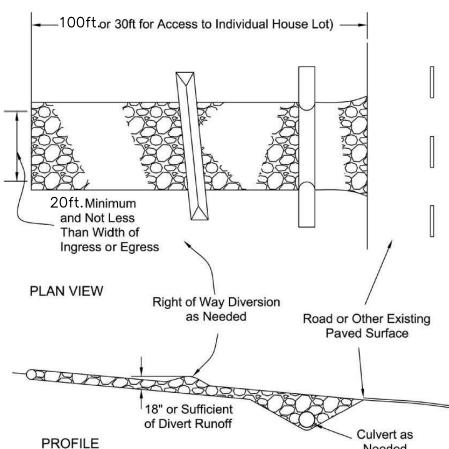
- EXACT LOCATION OF CONCRETE WASH OUT MAY BE FEILD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT.
   CONCRETE TRUCKS SHALL UTILIZE AREAS TO WASHOUT TRUCKS. ACCUMULATED CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
- 3. THE COST ASSOCIATED WITH EXCAVATING, PLACEMENT OF FENCE, MAINTAINING AND REMOVED THE CONCRETE WASHOUT AREA SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 207 CONCRETE WASHOUT AREA FOR THE PROJECT. A QUANTITY OF ONE EACH HAS BEEN CARRIED TO THE GENERAL SUMMARY.
- THE USE OF PORTABLE CONCRETE WASHOUT UNITS ARE APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.
   THE INTENT OF THESE STRUCTURES IS TO COLLECT ALL CONCRETE WASH OUT WATER AND ALLOW IT TO DRY TO A
- SOLID MATERIAL. AFTER DRYING, THE SOLID MATERIAL CAN BE REMOVED WITH A LOADER OR EXCAVATOR FOR PROPER DISPOSAL. WASH OUT WILL NOT BE PERMITTED IN ANY OTHER AREAS.
   USE THE MINIMUM AMOUNT OF WATER TO WASH THE VEHICLES AND EQUIPMENT. NEVER DISPOSE OF WASH OUT INTO
- THE STREET, STORM INLET, DRAINAGE SWALE OR WATERCOURSE. DISPOSE OF SMALL AMOUNTS OF EXCESS DRY CONCRETE, GROUT AND MORTAR IN THE TRASH. ANY SOAPS THAT ARE UTILIZED SHALL BE PHOSPHATE-FREE AND BIODEGRADABLE.
- 7. ADDITIONAL CONCRETE CLEAN-OUT STRUCTURES SHALL BE CONSTRUCTED WITHIN THE SPECIFIED AREA AS NEEDED BASED UPON THE VOLUME OF WASH OUT GENERATED DAILY.

<b>N</b> INC.	FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 43240	FACILITIES FOR CARVANA			
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#### CONSTRUCTION ENTRANCE

### DESCRIPTION

A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF STONE UNDERLAIN WITH GEOTEXTILE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC. LOCATED AT POINTS OF INGRESS/EGRESS, THE PRACTICE IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC. SPECIFICATIONS FOR CONSTRUCTION ENTRANCE



- FROFILE
- 1. STONE SIZE ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
   THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR
- AT LEAST 10 INCHES FOR HEAVY DUTY USE. 4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT
- POINTS WHERE INGRESS OR EGRESS OCCURS.
  5. GEOTEXTILE A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA, PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:
- FIGURE 7.4.1

GEOTEXTILE SPECIFICATION FOR (	CONSTRUCTION ENTRANCE
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSI.
MINIMUM TEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSI.
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS < 0.6 MM.
PERMITTIVITY	1X10-3 CM/SEC.

6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE

MAJOR GRADING ACTIVITIES.
7. CULVERT – A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.

8. WATER BAR – A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.

9. MAINTENANCE – TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.

10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

- 11. REMOVAL THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.
- REFERCED WITH A FERMANENT ROADWAT ON ENTRANCE.

#### Table 1: Permanent Stabilization

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that 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 permanent 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 disturbance 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, disturbed 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

alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII

### TEMPORARY SEEDING

#### DESCRIPTION

TEMPORARY SEEDINGS ESTABLISH TEMPORARY COVER ON DISTURBED AREAS BY PLANTING APPROPRIATE RAPIDLY GROWING ANNUAL GRASSES OR SMALL GRAINS. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS. GRASSES WHICH ARE QUICK GROWING ARE SEEDED AND USUALLY MULCHED TO PROVIDE PROMPT, TEMPORARY SOIL STABILIZATION. IT EFFECTIVELY MINIMIZES THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED EVERYWHERE THE SEQUENCE OF CONSTRUCTION OPERATIONS ALLOWS VEGETATION TO BE ESTABLISHED.

SPECIFICATIONS FOR TEMPORARY SEEDING

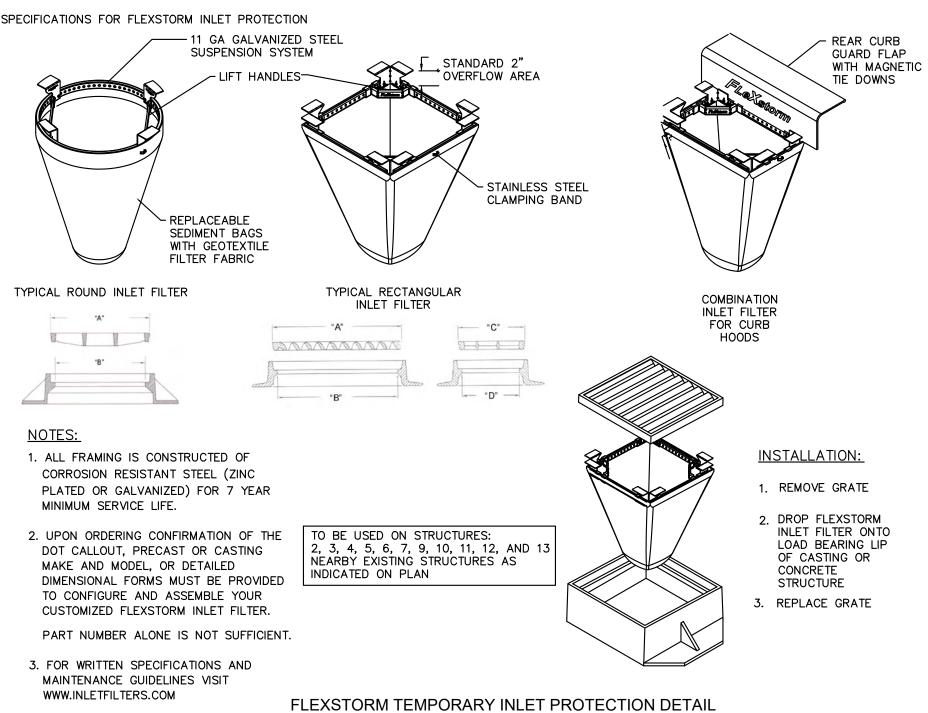
МА	EDING DATES		SPECIES	LB./	1,000 FT. <sup>2</sup>			
	ARCH 1 TO AU	GUST 15	OATS		3	128 LB.(4 BUSHEL)		
			TALL FESCUE		1			
			ANNUAL RYEGRASS		1			
			PERENNIAL RYEGRASS		1			
			TALL FESCUE		1			
			ANNUAL RYEGRASS		1			
			ANNUAL RYEGRASS		1.25			
			PERENNIAL RYEGRASS		3.25			
			CREEPING RED FESCUE		0.4			
			KENTUCKY BLUEGRASS		0.4			
			OATS		3	128 LB.(3 BUSHEL)		
			TALL FESCUE ANNUAL RYEGRASS		1			
					•			
AU	IGUST 16 TO N	NOVEMBER 1	RYE		3	112 LB.(2 BUSHEL)		
			TALL FESCUE		1			
			ANNUAL RYEGRASS		1			
			WHEAT		3	120 LB.(2 BUSHEL)		
			TALL FESCUE		1			
			ANNUAL RYEGRASS		I	<u> </u>		
			PERENNIAL RYE		1			
			TALL FESCUE ANNUAL RYEGRASS		1			
					•			
			ANNUAL RYEGRASS					
			PERENNIAL RYEGRASS CREEPING RED FESCUE		3.25 0.4			
			KENTUCKY BLUEGRASS		0.4			
			SPECIES MAY BE SUBSTITUTED.					
STF INS	RUCTURAL ERC	DSION AND SED STABILIZED WITH	IMENT-CONTROL PRACTICES SUCH TEMPORARY SEEDING PRIOR T PLIED BETWEEN CONSTRUCTION	CH AS [ O GRAD	ING THE REST	OF THE CONSTRUCTION SITE.		
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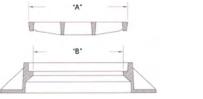
## INLET PROTECTION

### DESCRIPTION

STORM DRAIN INLET PROTECTION DEVICES REMOVE SEDIMENT FROM STORM WATER BEFORE IT ENTERS STORM SEWERS AND DOWNSTREAM AREAS. INLET PROTECTION DEVICES ARE SEDIMENT BARRIERS THAT MAY BE CONSTRUCTED OF WASHED GRAVEL OR CRUSHED STONE, GEOTEXTILE FABRICS AND OTHER MATERIALS THAT ARE SUPPORTED AROUND OR ACROSS STORM DRAIN INLETS.

INLET PROTECTION IS INSTALLED TO CAPTURE SOME SEDIMENT AND REDUCE THE MAINTENANCE OF STORM SEWERS AND OTHER UNDERGROUND PIPING SYSTEMS PRIOR TO THE SITE BEING STABILIZED. DUE TO THEIR POORER EFFECTIVENESS, INLET PROTECTION IS CONSIDERED A SECONDARY SPECIFICATIONS FOR SILT FENCE SEDIMENT CONTROL TO BE USED IN CONJUNCTION WITH OTHER MORE EFFECTIVE CONTROLS.





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- 3. TOP ELEVATION ON SIDES.
- STORM SEWER GRATE

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THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGE 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 MANUFACTURE'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL

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with t							PHONE: 614-454-6697 WWW.KIMLEY-HORN.COM	
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## SILT FENCE

DOWNSTREAM CREEKS AND SEWER SYSTEMS.

## DESCRIPTION

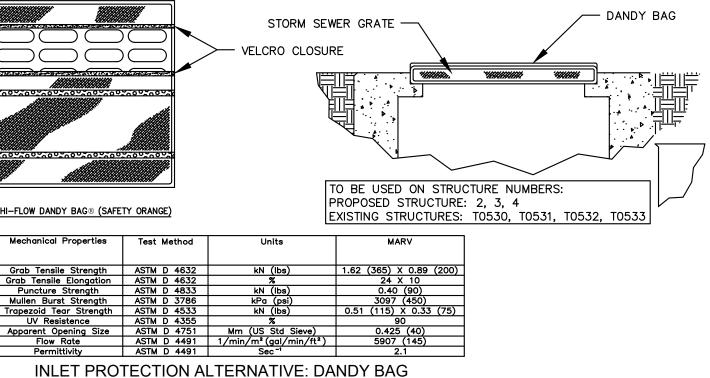
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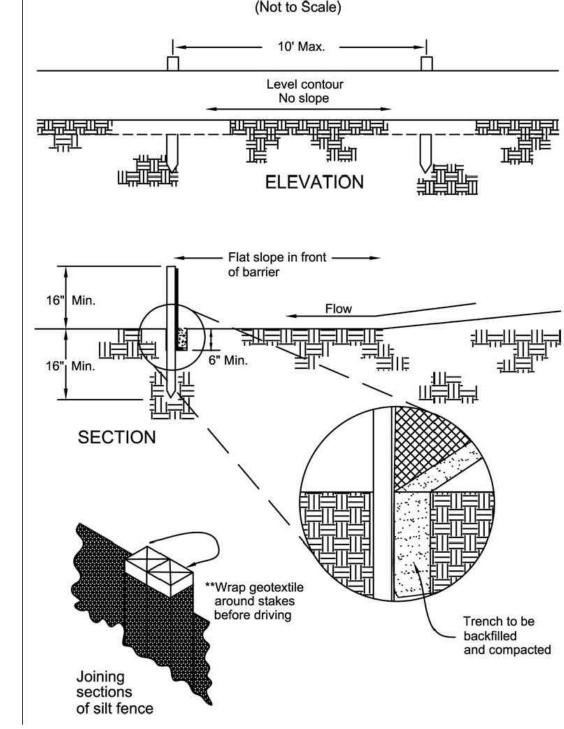
ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT

2. INLET PROTECTION SHALL BE INSTALLED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL

BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCHES LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND

4. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.



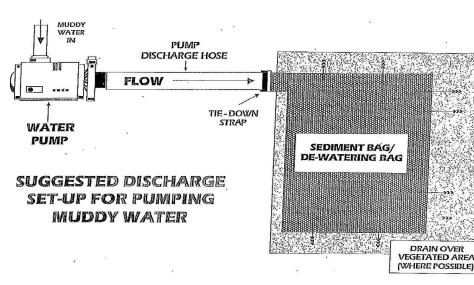


CRITERIA FOR SILT FENCE MATERIALS:

FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES LONG. WOOD POSTS WILL BE 2-BY-2 INCH NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.

### SILT FENCE FABRIC (SEE CHART BELOW):

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180 N)	ASTM D 4533
APPARENT OPENING SIZE	< OR = 0.84 MM	ASTM D4751
MINIMUM PERMITTIVITY	1X10-2 SEC1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4355



A SILT FENCE IS A SEDIMENT-TRAPPING PRACTICE UTILIZING A GEOTEXTILE FENCE, TOPOGRAPHY AND SOMETIMES VEGETATION TO CAUSE SEDIMENT DEPOSITION. SILT FENCE REDUCES RUNOFF'S ABILITY TO TRANSPORT SEDIMENT BY PONDING RUNOFF AND DISSIPATING SMALL RILLS OF CONCENTRATED FLOW INTO UNIFORM SHEET FLOW. SILT FENCE IS USED TO PREVENT SEDIMENT-LADEN SHEET RUNOFF FROM ENTERING INTO

- 1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- 2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE 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.
- 3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS. 4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE
- 5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
- 6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE. 7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT
- WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND
- COMPACTED ON BOTH SIDES OF THE FABRIC. 9. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH AA MINIMUM 6 INCHES OVERLAP PRIOR TO DRIVING INTO THE GROUND. (SEE DETAILS).
- 10. MAINTENANCE SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT 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 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 SILT FENCE SHALL BE REPAIRED IMMEDIATELY
- 11. THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. ADDITIONALLY, 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. STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).



**Berms**—Durable chemical-, rip-, tear-, and puncture-resistant berms are also designed for compact storage and transport. Economical units also feature a quick-and-easy setup. Tested welds help ensure maximum performance.

**Pools**—These spill containment pools provide immediate spill response for a wide range of chemicals, acids, fuels, and other hazardous materials. Just pull the pool out and place it in your preferred area to catch any drips and leaks.

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Spill Cap.	L	W	н	ltem No.				
Spill Containment Berms								
119 gal.	4 ft.	4 ft.	12"	45YX94				
179 gal.	4 ft.	6 ft.	12"	45YX95				
235 gal.	4 ft.	8 ft.	12"	45YX96				
269 gal.	6 ft.	6 ft.	12"	45YX97				
478 gal.	8 ft.	8 ft.	12"	45YX98				
595 gal.	8 ft.	10 ft.	12"	45YX99				
748 ğal.	10 ft.	10 ft.	12"	45YY01				
1077 gal.	12 ft.	12 ft.	12"	45YY02				
2333 gal.	12 ft.	26 ft.	12"	45YY03				
4488 gal.	12 ft.	50 ft.	12"	45YY04				
5610 gal.	15 ft.	50 ft.	12"	45YY05				
		Spill		Item				
Description		Cap.	Н	No.				
<b>Containment Pools</b>								
28" Outside Dia.		20 gal.	13"	45YY06				
48" Outside Dia.		65 gal.	14"	45YY07				

#### VEHICLE REFUELING AREA N.T.S

IVATE STORM AND STORMWATER FACILITIES FOR CARVANA 8350 LYRA DRIVE COLUMBUS, OH 43240 SWPPP NOTES & DETAILS					CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY	
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