

INDEX OF SHEETS

TITLE SHEET	1
SCHEMATIC PLAN	2
GENERAL NOTES	3-4
TYPICAL SECTIONS	5-6
ESTIMATE OF QUANTITIES	7
MAINTENANCE OF TRAFFIC NOTES	8-9
MAINTENANCE OF TRAFFIC	10-14
STORM WATER POLLUTION PREVENTION PLAN	15-16
PLAN & PROFILE	17-20
CROSS SECTIONS	21-28
INTERSECTION AND DRIVEWAY DETAILS	29-32
STORM SEWER PROFILES	33
PAVEMENT MARKING & SIGNING	34-36

PROJECT DESCRIPTION

TO CONSTRUCT PROPOSED RACETRAC DRIVEWAY #1, PROPOSED SIDEWALK, TO INSTALL PROPOSED EASTBOUND RIGHT TURN LANE INTO RACETRAC DRIVEWAY #1 AND PROPOSED WESTBOUND TWO-WAY LEFT TURN LANE ALONG LONDON GROVEPORT ROAD (S.R. 317). TO CONSTRUCT RACETRAC DRIVEWAY #2 ALONG ALUM CREEK DRIVE AND TO CONSTRUCT SOUTHBOUND LEFT TURN LANE EXTENSION AT THE INTERSECTION OF ALUM CREEK DRIVE AND COOK CLELAND AVENUE. TO WIDEN COOK CLELAND AVENUE FOR THE ADDITION OF A WESTBOUND RIGHT TURN LANE AT THE INTERSECTION OF COOK CLELAND AVENUE AND ALUM CREEK DRIVE. TO CONSTRUCT A SIDEWALK ALONG COOK CLELAND AVENUE. TO CONSTRUCT PROPOSED RACETRAC DRIVEWAY #3.

PROJECT OWNER (AT THE TIME OF CONSTRUCTION)

PARCEL OWNER AT THE TIME OF CONSTRUCTION: RACETRAC, INC.
CONTACT NAME: DANIEL BROWN
EMAIL: DBROWN@RACETRAC.COM
ADDRESS: 200 GALLERIA PARKWAY SE, SUITE 900, ATLANTA, GA 30339
PHONE: (404) 353-7387

BENCHMARKS		
BM#	DESCRIPTION	ELEVATION
1	CHISELED "X" ON THE SOUTH BOLT ON A TRAFFIC POLE BASE NEAR THE SOUTHEAST INTERSECTION OF ALUM CREEK DR. AND LONDON GROVEPORT RD.	760.64 (NAVD 88)
2	CHISELED "X" ON THE TOP OF CURB LOCATED ON THE SOUTH SIDE OF JOHN GLEN AVE. JUST WEST OF THE VEHICLE ENTRANCE TO 2550 JOHN GLENN AVE.	736.31 (NAVD 88)
3	CHISELED "X" ON A CONCRETE LIGHT POLE BASE AT THE NORTHEAST CORNER OF THE INTERSECTION OF ALUM CREEK DR. AND JOHN GLENN AVE. APPROXIMATELY 50' NORTH OF THE JOHN GLENN AVE. LIGHT POLE BASE IS FLUSH WITH GROUND, MISSING LIGHTPOLE.	740.86 (NAVD 88)

HORIZONTAL REFERENCE POINTS OHIO SOUTH ZONE*			
REF POINT	DESCRIPTION	NORTHING	EASTING
1	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	665515.66	1846686.89
2	MAG SPIKE SET	665807.11	18471582.99
3	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	665677.79	1846794.98
4	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	665885.70	1847016.71
5	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666134.81	1846656.40
6	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666230.88	1846871.80
7	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666672.08	1846710.94
8	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666747.06	1846867.53
9	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666846.47	1847228.62
10	SET 5/8" X 3/0" IRON PIN WITH YELLOW CAP STAMPED CESO	666929.30	1846565.09

* REFER TO SHEET R2 FOR HORIZONTAL REFERENCE DATUM

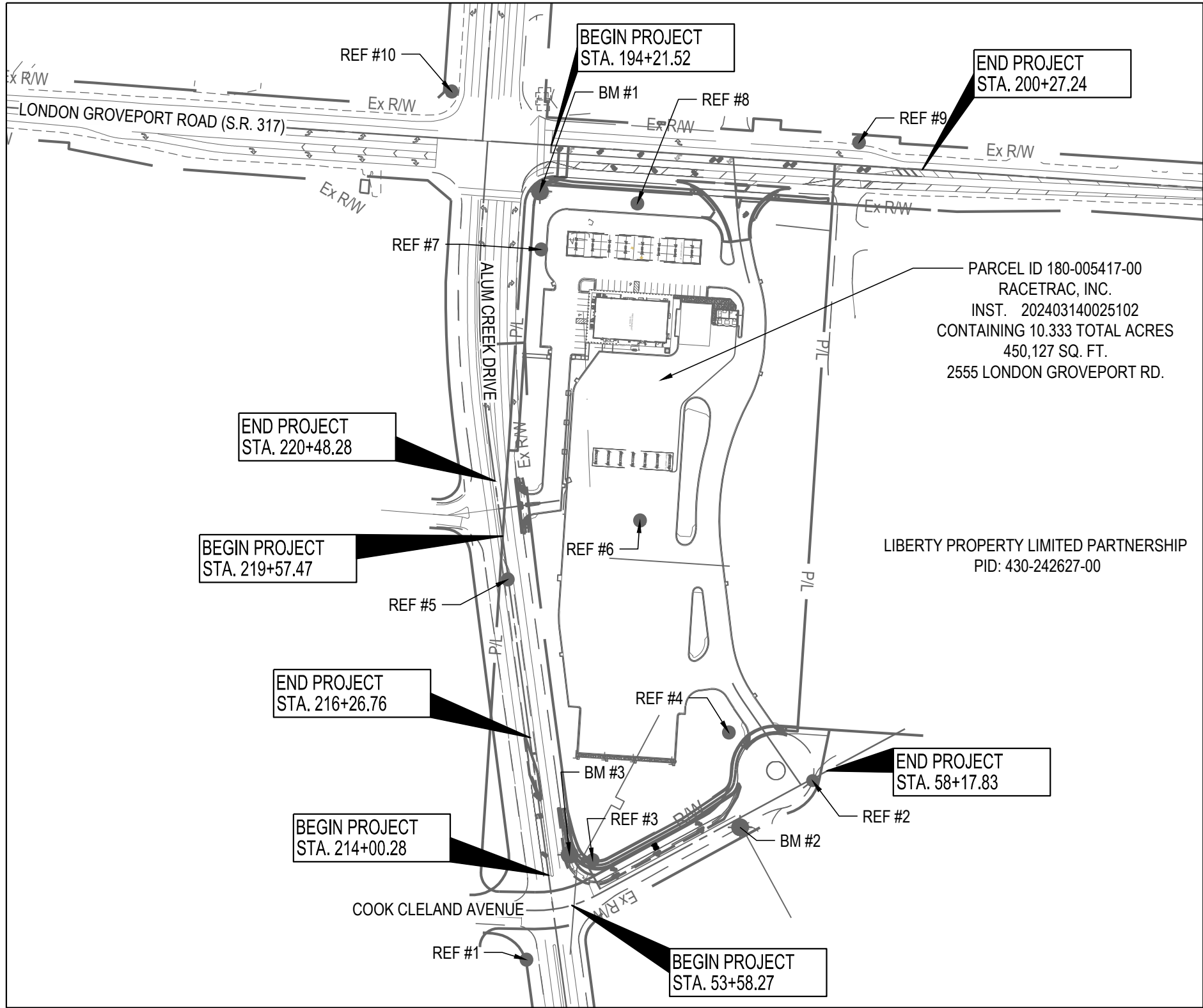


REGISTERED ENGINEER

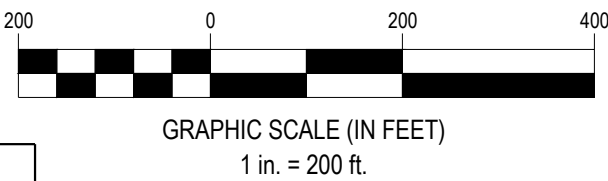
ENGINEER
CESO INC.
3601 RIGBY ROAD, SUITE 300
MIAMISBURG, OHIO 45342
CONTACT: TODD HANAHAN
PHONE: (937) 307-5070
E-MAIL: HANAHAN@CESOINC.COM

DATE

FRANKLIN COUNTY, OHIO LONDON GROVEPORT ROAD (S.R. 317), ALUM CREEK DRIVE & COOK CLELAND AVENUE IMPROVEMENTS CITY OF COLUMBUS



INDEX MAP



SITE DATA TABLE*	
TOTAL SITE AREA:	10.36 AC
TOTAL DISTURBED AREA**:	10.13 AC
DISTURBED R/W AREA:	0.23 AC
PRE-DEVELOPED IMPERVIOUS:	0.30 AC
POST-DEVELOPMENT IMPERVIOUS:	5.77 AC

** INCLUDES DISTURBED AREA IN R/W

NOTE: DISTURBED AREA INCLUDES RACETRAC SITE DEVELOPMENT.
REFER TO SITE PLANS FOR ADDITIONAL DETAILS.

CITY OF COLUMBUS MIS	COLUMBUS STANDARD CONSTRUCTION DRAWINGS				OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS			
	AA-S102	12/06/2013	2319	07/01/2024	BP-2.1	01/21/2022	MT-95.31	07/19/2019	TC-65.11	01/17/2025	SS 800	01/17/2025
	AA-S125A	08/08/2014	1441	07/01/2024	BP-2.2	01/15/2021	MT-95.32	04/19/2019	TC-71.10	04/21/2023	SS 821	04/20/2012
	1640	03/01/2023			BP-3.1	01/19/2024	MT-97.10	04/19/2019	TC-74.10	07/21/2023	SS 832	07/19/2024
	1643	03/01/2023			BP-4.1	07/19/2013	MT-97.11	01/20/2017			SS 921	07/19/2024
	2000	07/01/2023			BP-5.1	01/17/2025	MT-99.20	04/19/2019				
	2010	06/01/2014			BP-7.1	01/17/2025	MT-101.90	07/17/2020				
	2171	04/30/2018			CB-2-3	07/19/2024	TC-41.20	10/18/2013				
	2185	07/01/2023			CB-3A	07/19/2024	TC-42.20	10/18/2013				
	2202	07/01/2023			DM-4.4	01/15/2016	TC-52.10	10/18/2013				
	2300	07/01/2023			MH-3	07/19/2024	TC-65.10	01/17/2014				



LOCATION MAP

N.T.S.
LATITUDE: N39°49'44" LONGITUDE: W82°55'59"

LEGEND	
	CITY OF COLUMBUS
	CITY OF GROVEPORT
	MADISON TOWNSHIP

CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), INCLUDING ALL REVISIONS AND SUPPLEMENTS, SHALL BE THE LATEST VERSION PUBLISHED AT THE TIME OF SIGNATURE BY THE DIRECTOR OF PUBLIC SERVICE AND SHALL GOVERN ALL ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED.

CITY OF COLUMBUS APPROVALS

CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION	DATE
ADMINISTRATOR, DIVISION OF POWER	DATE
ADMINISTRATOR, DIVISION OF WATER	DATE
ADMINISTRATOR, DIVISION OF SEWERAGE & DRAINAGE	DATE
DIRECTOR, DEPARTMENT OF RECREATION AND PARKS	DATE
FIRE PREVENTION BUREAU, DIVISION OF FIRE	DATE

FRANKLIN COUNTY APPROVALS

SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSED AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS. APPROVAL ON THE PART OF THE FRANKLIN COUNTY ENGINEER'S OFFICE IS GIVEN FOR WORK WITHIN THE FRANKLIN COUNTY R/W ONLY.

FRANKLIN COUNTY ENGINEER	DATE
FRANKLIN COUNTY CHIEF DEPUTY ENGINEER	DATE

#	REVISION DESCRIPTION	SHEET(S)	INITIAL	DATE

TITLE SHEET

DATE

ISSUE

AGENCY REVIEW

CALCULATED
SCW
CHECKED

PID

LONDON GROVEPORT ROAD (S.R. 317), ALUM CREK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

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36

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BENCHMARKS	
BM "1"	CHISELED "X" ON THE SOUTH BOLT ON A TRAFFIC POLE BASE NEAR THE SOUTHEAST INTERSECTION OF ALUM CREEK DR. AND LONDON GROVEPORT RD. ELEVATION = 760.64' N: 666766.21 E: 1846708.86
BM "2"	CHISELED "X" ON THE TOP OF CURB LOCATED ON THE SOUTH SIDE OF JOHN GLEN AVE. JUST WEST OF THE VEHICLE ENTRANCE TO 2550 JOHN GLENN AVE. ELEVATION = 736.31' N: 665731.26 E: 1847034.82
BM "3"	CHISELED "X" ON A CONCRETE LIGHT POLE BASE AT THE NORTHEAST CORNER OF THE INTERSECTION OF ALUM CREEK DR. AND JOHN GLENN AVE. APPROXIMATELY 50' NORTH OF THE JOHN GLENN AVE. LIGHT POLE BASE IS FLUSH WITH GROUND, MISSING LIGHTPOLE. ELEVATION = 740.86' N: 665696.58 E: 1846757.18

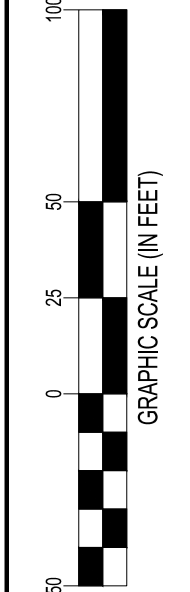
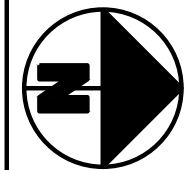
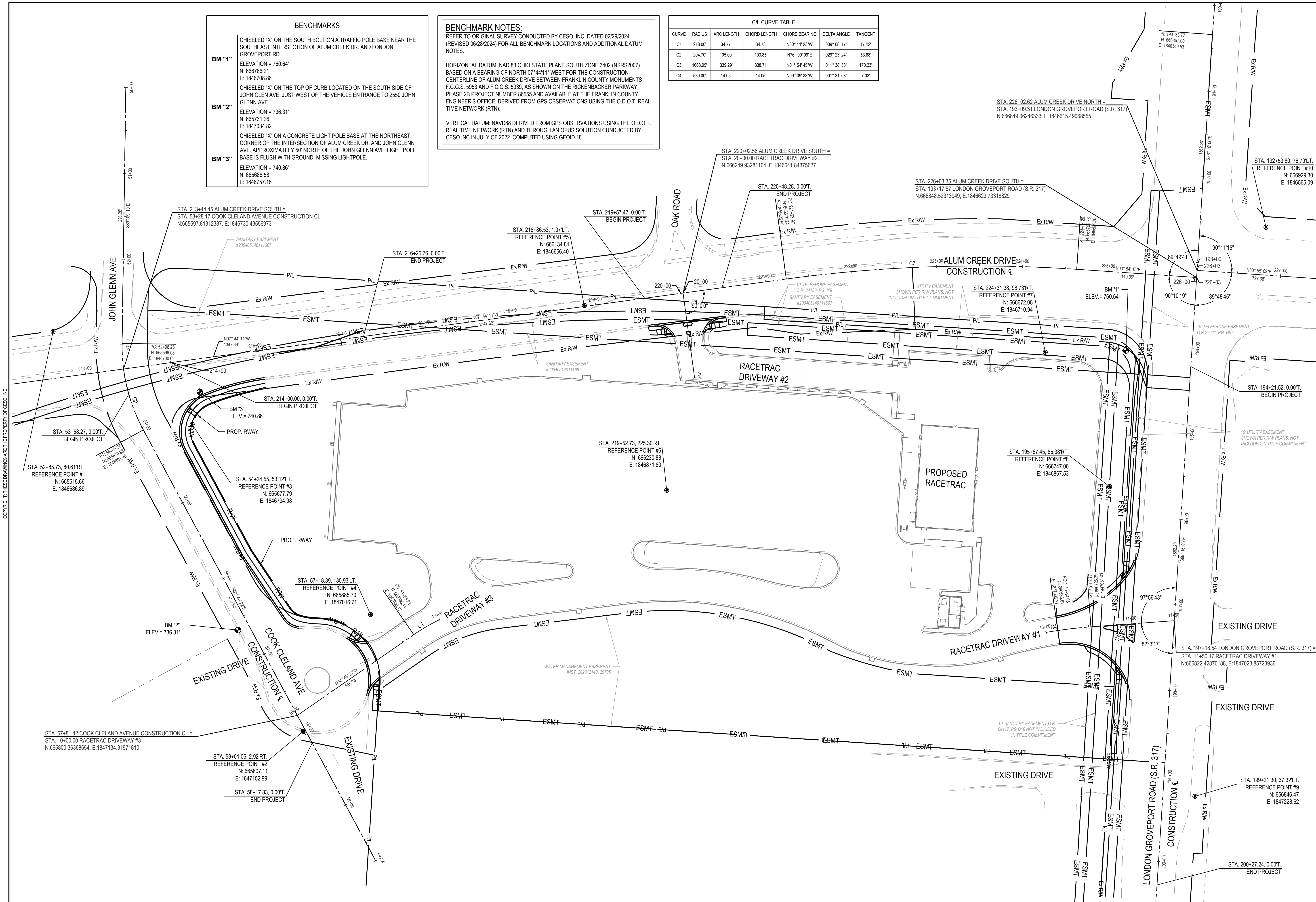
BENCHMARK NOTES:

REFER TO ORIGINAL SURVEY CONDUCTED BY CESO, INC. DATED 02/29/2024 (REVISED 06/28/2024) FOR ALL BENCHMARK LOCATIONS AND ADDITIONAL DATUM NOTES.

HORIZONTAL DATUM: NAD 83 OHIO STATE PLANE SOUTH ZONE 3402 (NSRS2007) BASED ON A BEARING OF NORTH 07°44'11" WEST FOR THE CONSTRUCTION CENTERLINE OF ALUM CREEK DRIVE BETWEEN FRANKLIN COUNTY MONUMENTS F.C.G.S. 5953 AND F.C.G.S. 5939, AS SHOWN ON THE RICKENBACKER PARKWAY PHASE 2B PROJECT NUMBER 86555 AND AVAILABLE AT THE FRANKLIN COUNTY ENGINEER'S OFFICE. DERIVED FROM GPS OBSERVATIONS USING THE O.D.O.T. REAL TIME NETWORK (RTN).

VERTICAL DATUM: NAVD88 DERIVED FROM GPS OBSERVATIONS USING THE O.D.O.T. REAL TIME NETWORK (RTN) AND THROUGH AN OPUS SOLUTION CONDUCTED BY CESO INC IN JULY OF 2022. COMPUTED USING GEOID 18.

C/I.L CURVE TABLE					
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	218.00'	34.77'	34.73'	N30° 11' 23"W	009° 08' 17"
C2	204.70'	105.00'	103.85'	N76° 09' 09"E	029° 23' 24"
C3	1668.95'	339.29'	338.71'	N01° 54' 45"W	011° 38' 53"
C4	530.00'	14.05'	14.05'	N09° 09' 33"W	001° 31' 08"



CALCULATED
SCW
CHECKED
P.D.

SCHEMATIC PLAN
LONDON GROVEPORT ROAD (S.R. 317), ALUM CREK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

2
36

COPYRIGHT, THESE DRAWINGS ARE THE PROPERTY OF CECO, INC.

CITY OF COLUMBUS GENERAL NOTES

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2012 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THE PLANS UNLESS NOTED OTHERWISE.

ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION, CITY OF COLUMBUS.

APPROVAL OF THIS PLAN IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR CONSTRUCTION OF THE IMPROVEMENT WORK, BE SECURED BY THE OWNER.

INSPECTION-
INSPECTION ON THIS PROJECT SHALL BE PROVIDED BY REPRESENTATIVES OF THE CITY OF COLUMBUS.

PRIOR TO CONSTRUCTION, THE DEVELOPER SHALL ENTER INTO A CONSTRUCTION AGREEMENT, POST SURETY AND DEPOSIT INSPECTION FEES WITH THE CITY OF COLUMBUS PUBLIC SERVICE DEPARTMENT FOR THE TOTAL ESTIMATED COSTS OF CONSTRUCTION IN ACCORDANCE WITH COLUMBUS CITY CODE SECTION 901.01.

THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE (614) 645-0433 AND DIVISION OF SEWERS AND DRAINS (614) 645-7102 AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.

PERMITS-
THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH RED SIGNATURES SHALL BE KEPT ONSITE AT ALL TIMES.

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 4:00 PM MONDAY THROUGH FRIDAY.
PHONE: (614) 645-7497;
FAX: (614) 645-1876
EMAIL: COLSPERMITS@COLUMBUS.GOV

UTILITIES-
THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLAN.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERAL AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362-2764. A 48-HOUR NOTICE SHALL BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECTS AND SUBSCRIBE TO OUPS

ELECTRIC S. CENTRAL ELECTRIC 720 MILL PARK DRIVE LANCASTER, OH 43130 PH: (800) 282-5064	STORM CITY OF COLUMBUS DPU - DIVISION OF SEWERAGE & DRAINAGE 1250 FAIRWOOD AVENUE COLUMBUS, OH 43206 PH: (614) 645-7102
GAS COLUMBIA GAS OF OHIO 290 W. NATIONWIDE BLVD COLUMBUS, OH 43215 PH: (800) 344-4077	SANITARY CITY OF COLUMBUS DPU - DIVISION OF SEWERAGE & DRAINAGE 1250 FAIRWOOD AVENUE COLUMBUS, OH 43206 PH: (614) 645-7102
TELEPHONE CITY OF COLUMBUS DIVISION OF POWER 3500 INDIANOLA AVENUE COLUMBUS, OH 43214 PH: (800) 6445-7627	WATER CITY OF COLUMBUS DIVISION OF WATER 910 DUBLIN ROAD COLUMBUS, OH 43215 PH: (614) 645-788

THE FOLLOWING CITY OF COLUMBUS UTILITIES MAY BE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE:

CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT 1820 EAST 17TH AVENUE COLUMBUS, OHIO 43219 OFFICE (614) 645-3111	CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY 1355 MCKINLEY AVENUE BUILDING C COLUMBUS, OHIO 43222 CONTRACTOR LINE: (614) 645-2550
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CITY OF COLUMBUS
DIVISION OF SUPPORT SERVICES-
COMMUNICATIONS
4211 GROVES ROAD
COLUMBUS, OHIO 43232
OFFICE: (614) 724-7047

COMPACTION TESTING AT UTILITY CROSSINGS-
PRIOR TO CONSTRUCTION OF THE PUBLIC ROADWAY, SOIL TESTS SHALL BE MADE ON ALL OPEN CUT UTILITY TRENCHES WHICH CROSS THE PROPOSED PAVEMENTS OR WHICH LIE SUCH THAT THE PROPOSED PAVEMENTS ARE LOCATED WITHIN ANY PART OF THE INFLUENCE LINE OF SAID TRENCH. WHERE SAID RESULTS INDICATE THAT THE TRENCH BACKFILL DOES NOT MEET THE COMPACTION REQUIREMENTS OF CMSC 912, ALL BACKFILL MATERIAL SHALL BE REMOVED, REPLACED, AND RE-TESTED UNTIL COMPLIANCE IS ACHIEVED.

WHEEL CHAIR RAMP TRAINING REQUIREMENT-
ANY CONTRACTOR OR SUBCONTRACTOR INVOLVED IN DIRECTING, PLANNING, LAYOUT, AND/OR CONSTRUCTING WHEELCHAIR RAMPS OR OTHER AMENITIES REQUIRED UNDER THE "AMERICANS WITH DISABILITIES ACT OF 1990 (ADA)" SHALL HAVE PREVIOUSLY ATTENDED A CITY SPONSORED TRAINING SESSION TO BE PERMITTED TO EXECUTE WORK ON THIS PROJECT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PROJECT SUPERINTENDENTS, SUPERVISORS AND FOREMEN. LABORERS ARE ENCOURAGED, BUT NOT REQUIRED, TO ATTEND. FOR MORE INFORMATION CONTACT THE CITY'S ADA SECTION AT 645-0285.

CITY OF COLUMBUS DIVISION OF POWER GENERAL NOTES

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

ANY PROJECT, BOTH PUBLIC OR PRIVATE, WITH IMPACTS REQUIRING RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT.

UNLESS PREVIOUSLY AUTHORIZED, DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT.

NO PERSON SHALL WORK ON DOP FACILITIES UNLESS THEY HAVE COMPLETED CONTRACTOR SAFETY ORIENTATION WITH DOP. ANY PERSON WORKING ON DOP FACILITIES ON LIVE CONDUCTORS OR CONDUCTORS THAT MAY BECOME LIVE SHALL COMPLY WITH DOP'S CONDUCTOR SAFETY POLICY (TDMIS-1603), HOLD CARD SYSTEM (TDMIS-1604) AND STREET LIGHT LOCK OUT TAG OUT PROCEDURE (MIS-1). PRIOR TO BEGINNING WORK ON DOP FACILITIES, EACH PERSON SHALL CONTACT DOP'S DISPATCH OFFICE AT 614-645-7627 AND PROVIDE THEIR NAME, PHONE NUMBER, LOCATION, DESCRIPTION OF WORK AND CIRCUIT NUMBER. AT COMPLETION OF WORK, EACH PERSON SHALL NOTIFY DOP'S DISPATCH OFFICE.

THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC). ANY NEW OR RE-INSTALLED STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1001.18 OF THE CMSC MANUAL. CONTRACTORS WORKING ON STREET LIGHTING SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP AND ON THE CITY WEBSITE.

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

CITY OF COLUMBUS PARKS AND RECREATION GENERAL NOTES

TREE IMPACT NOTE-
ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE IS CONSIDERED AN IMPACT TO THE PUBLIC TREE. A PUBLIC TREE PLAN AND PERMIT FROM COLUMBUS RECREATION & PARKS FORESTRY IS REQUIRED FOR ANY PLAN WITH PUBLIC TREES IN THE WORK LIMITS. THE PUBLIC TREE PLAN SHALL DENOTE ALL PUBLIC TREES IN THE PROJECT'S WORK LIMITS. TREE INFORMATION SHALL CONFORM TO THE COLUMBUS TREE TECHNICAL MANUAL REQUIREMENTS AND BE PROVIDED BY A NATURAL RESOURCE PROFESSIONAL. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING FORESTRY FOR THE COST OF ANY AND ALL DAMAGE TO PUBLIC TREES.

PUBLIC TREE PROTECTION NOTE-
ALL PUBLIC TREES AND THE GROUND IN THE CRITICAL ROOT ZONE, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PROTECTED UNLESS A PERMIT TO REMOVE IS GIVEN BY COLUMBUS RECREATION & PARKS (CRPD) FORESTRY. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD FORESTRY AT FORESTRY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT, OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED, OR PARKED WITHIN THE CRITICAL ROOT ZONE 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 CRPD TREE TECHNICAL MANUAL. IF THERE IS A QUESTION REGARDING TREE PROTECTION NEEDS, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY SECTION AT FORESTRY@COLUMBUS.GOV.

PUBLIC TREE REMOVAL AND MITIGATION NOTE-
NO PUBLIC TREE REMOVAL SHALL BE ATTEMPTED BY CONSTRUCTION PERSONNEL OR EQUIPMENT, ONLY UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL GROUND TO 18 INCHES; IF THE REMOVED TREE IS WITHIN 36" OF A PROTECTED TREE THE STUMP SHALL ONLY BE GROUND TO 2" DEPTH. ALL WOOD DEBRIS ON CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR BY THE END OF EACH WORK DAY. TREES APPROVED FOR REMOVAL BY CRPD FORESTRY SHALL BE MITIGATED IN ACCORDANCE WITH THE COLUMBUS TREE TECHNICAL MANUAL AND COLUMBUS CITY CODES CHAPTER 912.

FORESTRY PERMIT NOTE-
ANY WORK ON OR WITHIN THE CRITICAL ROOT ZONE OF A PUBLIC TREE REQUIRES A FORESTRY PERMIT. ALL APPLICABLE FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE. REFER TO THE CRPD TREE TECHNICAL MANUAL FOR TREE REMOVAL, PRUNING, PROTECTION, AND MITIGATION STANDARDS.

OAK WILT NOTE-
TO PREVENT THE SPREAD OF OAK WILT, A FUNGAL DISEASE, OAK TREES SHALL ONLY BE PRUNED FROM NOVEMBER 1 TO MARCH 1.

FRANKLIN COUNTY ENGINEER'S GENERAL PLAN NOTES

- FRANKLIN COUNTY ENGINEER'S MONUMENTATION - THE CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY ENGINEER'S OFFICE, SURVEY DEPARTMENT AT (614 - 525 - 2489) TWO WORKING DAYS BEFORE DISTURBING ANY FRANKLIN COUNTY GEODETIC MONUMENTS (VERTICAL AND/OR HORIZONTAL) FOR REFERENCE AND REPLACEMENT.
- FRANKLIN COUNTY PERMIT - THE CONTRACTOR SHALL CONTACT UTILITIES COORDINATOR AT (614) 525-3063 TO SECURE A WRITTEN PERMIT FROM THE FRANKLIN COUNTY ENGINEER'S OFFICE, 970 DUBLIN RD, A MINIMUM OF FIVE WORKING DAYS PRIOR TO BEGINNING WORK WITHIN FRANKLIN COUNTY R/W. THE CONTRACTOR MAY BE REQUIRED TO POST A BOND WITH THE FRANKLIN COUNTY ENGINEER PRIOR TO ISSUANCE OF THE PERMIT TO INSURE PRIOR RESTORATION OF THE PAVEMENT AND R/W. THE CONTRACTOR SHALL PROVIDE THE FRANKLIN COUNTY ENGINEER'S OFFICE A 24-HOUR TELEPHONE NUMBER TO BE USED IN CASE OF AN EMERGENCY.
- UNTREATED SEPTIC CONNECTIONS - THIS PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT. ANY UNTREATED SEPTIC DRAINAGE INTO THE HIGHWAY DRAINAGE SYSTEM. ANY PIPE POSSIBLY CARRYING UNTREATED SEPTIC FLOW SHALL BE LEFT EXPOSED. CALL FRANKLIN COUNTY PUBLIC HEALTH AT (614) 525-3909 AND THE FRANKLIN COUNTY DRAINAGE ENGINEER'S OFFICE AT (614) 525-5138 OR (614) 525-2787 FOR DIRECTION ON WHETHER OR NOT TO TIE THE PIPE INTO THE HIGHWAY DRAINAGE SYSTEM OR PLUG THE PIPE AT R/W LINE W/ CLASS C CONCRETE. PAYMENT FOR PLUGGING SHALL BE INCLUDED IN CONTRACT PRICE FOR THE PERTINENT 202 OR 203 ITEM.
- EXISTING/UNIDENTIFIED STORM SEWERS - IF ANY EXISTING STORM SEWERS OR FIELD TILES ARE ENCOUNTERED CURING CONSTRUCTION, LEAVE EXPOSED, AND CONTACT THE FRANKLIN COUNTY DRAINAGE ENGINEER'S OFFICE AT (614) 525-5138 OR (614) 525-2787 TO HAVE THE EXISTING TILE SIZE, COMPOSITION, HORIZONTAL LOCATION, AND FLOWLINE SURVEYED.
- EROSION CONTROL - THE CONTRACTOR SHALL FILE A NOTICE OF INTENT AS PER NPDES REQUIREMENTS INCLUDING ANY OFFSITE DUMPING OR BORROW AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THEIR SUBCONTRACTORS OF THE OEPA REQUIREMENTS. FURNISH COPIES OF THE DOCUMENTS TO CCEO.

OHIO DEPARTMENT OF TRANSPORTATION GENERAL NOTES

SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS-
THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, 2023 CONSTRUCTION AND MATERIALS SPECIFICATIONS, AND THE NOTED STANDARD CONSTRUCTION DRAWINGS SHALL GOVERN THIS IMPROVEMENT. WHEREVER THE WORD "STATE" OCCURS, IT IS TO MEAN THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT).

WHENEVER THE WORD "ENGINEER" OR "DEPARTMENT" IS USED HEREIN, IT SHALL BE HELD TO MEAN THE ODOT PROJECT ENGINEER, OR DULY AUTHORIZED AUTHORITY.

MATERIALS AND WORKMANSHIP-
UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF THE FIRST QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE CONTEMPLATED. THE CONTRACTOR SHALL FURNISH, IF SO REQUIRED, SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND WORKMANSHIP. ALL ITEMS OF EQUIPMENT AND/OR MATERIALS PROPOSED FOR SUBSTITUTION MUST BE APPROVED BY THE ENGINEER IN WRITING AND SHALL BE EQUAL OR BE SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRED ENGINEERING REVISIONS, THE EXPENSE OF SUCH REVISIONS SHALL BE PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

EXISTING FACILITIES-
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FACILITY. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, HE SHALL REPLACE THE DAMAGED PORTION AT HIS EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

EXAMINATION OF THE SITE-
THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE OF THE PROPOSED WORK, THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS MADE SUCH EXAMINATION AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED IN PERFORMING THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

WORK LIMITS-
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

RELOCATION OF UTILITIES-
ALL UTILITIES WHICH ARE SHOWN OR LOCATED DURING THE COURSE OF CONSTRUCTION THAT ARE FOUND TO BE IN CONFLICT WITH THESE PLANS ARE TO BE RELOCATED OR ADJUSTED BY THE OWNER OF THE UTILITY. CONTRACTOR MUST COORDINATE WITH UTILITY OWNER FOR RELOCATION/ADJUSTMENT.

UNDERGROUND UTILITIES-
THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN AREAS OBTAINED FROM THE OWNERS OF THE UTILITIES. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES LOCATED HEREON COMPROMISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES LOCATED ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE/SHE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

SEEDING AND MULCHING-
SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES. AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT -OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT.

WEATHER CONDITIONS-
NO CONSTRUCTION SHALL BE DONE DURING STORMY, FREEZING OR INCLEMENT WEATHER UNLESS PERMISSION IS GIVEN BY THE ENGINEER WHENEVER WORK PROCEEDS DURING SUCH WEATHER, THE CONTRACTOR SHALL PROVIDE APPROVED FACILITIES, INCLUDING HEAT (IF REQUIRED), FOR THE PROTECTION OF ALL MATERIALS AND FINISHED WORK.

AGENCY NOTIFICATIONS-
CONTRACTOR TO NOTIFY LOCAL EMERGENCY SERVICE PROVIDERS, UNITED STATES POSTAL SERVICE, LOCAL SCHOOL DISTRICTS PRIOR TO START OF CONSTRUCTION.

COOPERATION WITH UTILITY COMPANIES-
WHILE THE WORK OF THIS CONTRACT IS BEING PERFORMED, THE UTILITY COMPANIES MAY BE WORKING IN THE AREA ADJUSTING AND RESETTNG EXISTING FACILITIES. THE CONTRACTOR SHALL FULLY COOPERATE WITH UTILITY COMPANIES SO THAT THE ENTIRE WORK IS COMPLETED IN A MANNER CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. THE CONTRACTOR, UTILITIES, AND ENGINEER SHALL DISCUSS THE NECESSARY CONSTRUCTION SCHEDULES TO COMPLETE THE PROJECT.

CROSSINGS TO EXISTING PIPES AND UTILITIES-
WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED CONDUIT.

UTILITIES NOTIFICATION-
AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLAN.

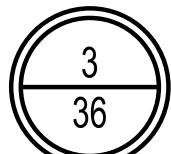
THE OWNER OF THE UNDERGROUND FACILITY SHALL, WITHIN 48 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS), MARK THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE AND THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

GENERAL NOTES

LONDON GROVEPORT ROAD (S.R. 317), ALUM CREK DR, & COOK CLELAND AVE

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TEMPORARY TRAFFIC CONTROL-

IT IS ESSENTIAL THAT THE ENGINEER HAVE THE AUTHORITY TO CONTROL THE PROGRESS OF THE WORK ON THE PROJECT IN ITS RELATION TO OBTAINING SAFE CONDITIONS. THIS INCLUDES THE AUTHORITY TO MODIFY CONDITIONS OR HALT WORK UNTIL APPLICABLE OR REMEDIAL SAFETY MEASURES ARE TAKEN. THE CONTRACTOR IS TO SUPPLY ALL TRAFFIC CONTROL, AS THE ENGINEER DEEMS NECESSARY. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH SECTION 614 OF THE ODOT STANDARD SPECIFICATIONS AND OTHER APPLICABLE PORTIONS OF THE ODOT SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ACCESS TO PRIVATE PROPERTY-

ACCESS TO DRIVES SHALL BE MAINTAINED VIA EXISTING PAVEMENT. TEMPORARY PAVEMENT IN THE EVENT THAT A DRIVE CANNOT BE MAINTAINED AND A CLOSURE IS NEEDED THE CONTRACTOR WILL COORDINATE WITH PROPERTY OWNER TO MINIMIZE THE IMPACT TO THE OWNER.

COMMERCIAL PROPERTY WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED WHEN WORKING IN THE AREA OF THE DRIVE, COMMERCIAL PROPERTY WITH ONLY ONE DRIVEWAY OR DRIVEWAY WITH ONE DIRECTION TRAFFIC USE WILL BE CONSTRUCTED PART WIDTH. THE CONTRACTOR WILL COORDINATE WITH THE PROPERTY OWNER TO MINIMIZE THE IMPACT TO THE OWNER.

MAINTAIN ACCESS TO RESIDENTIAL PROPERTIES AT ALL TIMES. WHEN A RESIDENTIAL DRIVE IS CLOSED FOR CONSTRUCTION, MAINTAIN ALTERNATE ACCESS TO THE PROPERTY. IT MAY BE REQUIRED FOR THE CONTRACTOR TO MAINTAIN ONE PASSABLE LANE WITHIN A CLOSURE IN ORDER FOR VEHICLES TO ACCESS RESIDENCE WITH A VEHICLE.

UNLESS CALLED OUT IN THE PLANS THE CONTRACTOR WILL COORDINATED ANY CLOSURES WITH PROPERTY OWNERS AND BE RESPONSIBLE FOR ANY AND ALL PROPERTY USE AGREEMENTS FOR ALTERNATIVE ACCESS.

SUCCESSFULLY NOTIFY THE OCCUPANTS/OWNERS OF COMMERCIAL OR RESIDENTIAL DRIVES TO BE CLOSED AND COORDINATE THE CLOSURES AT LEAST 48 HOURS BEFORE THE CLOSURE BEGINS (SIMPLY LEAVING A WRITTEN NOTICE OR PHONE MESSAGE IS NOT SUFFICIENT). COORDINATE ALTERNATE ACCESS TO RESIDENTIAL PROPERTIES WITH THE OWNER/OCCUPANT.

PAYMENT FOR ALL LABOR, EQUIPMENT, LAW ENFORCEMENT OFFICERS, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC UNLESS ITEMIZED SEPARATELY.

RESTORATION-

THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF THE FOLLOWING:

EXISTING STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, RE-SEEDING/RE-SODDING, REMOVAL OF TREES, RESTORATION OF AGRICULTURAL LAND, THE MAINTENANCE OF THE CONSTRUCTION AREA DURING PROGRESS OF THE WORK AND THE COMPLETE RESTORATION OF THE CONSTRUCTION AREA TO ITS ORIGINAL CONDITION AT THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL CONTINUOUSLY CARRY ON WITH THE FINAL RESTORATION OF THE CONSTRUCTION AREA AFTER THE BACKFILLING IS COMPLETED, AND HE SHALL PROCEED TO RESTORE TO ITS ORIGINAL CONDITION ALL STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, STRUCTURES, AND ALL AREAS THAT WERE DAMAGED, DISTURBED, OR OCCUPIED BY THE CONTRACTOR IN CONNECTION WITH ANY PHASE OF THE WORK.

PAVEMENTS, PAVEMENT MARKINGS, TREES, SHRUBS, FENCES, POLES, OR OTHER PROPERTY AND SURFACE STRUCTURES WHICH HAVE BEEN DAMAGED, REMOVED, OR DISTURBED BY THE CONTRACTOR, WHETHER DELIBERATELY OR THROUGH FAILURE TO CARRY OUT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, STATE LAWS, MUNICIPAL ORDINANCES, THE SPECIFIC DIRECTION OF THE ENGINEER, OR THROUGH FAILURE TO EMPLOY USUAL AND REASONABLE SAFEGUARDS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

ALL TEMPORARY SIGNS, SPRINKLER SYSTEMS, LANDSCAPING, ORNAMENTAL FENCING, ETC., LOCATED WITHIN THE PROJECT LIMITS MUST BE REPLACED OR RELOCATED UPON COMPLETION OF THE CONSTRUCTION

EXISTNG LEGEND

- ANCHOR POLE
- BOLLARD
- CATCH BASIN
- CLEANOUT
- CURB INLET
- DECIDUOUS TREE
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- FIRE HYDRANT
- GAS METER
- LIGHT POLE
- POST
- POWER TELEPHONE LIGHT POLE
- POWER TELEPHONE POLE
- GREASE MANHOLE
- SANITARY MANHOLE
- SIGN
- STORM MANHOLE
- TELEPHONE BOX
- WATER VALVE

- EXISTING FENCE
- EXISTING DITCH
- GAS LINE
- WATER LINE
- UNDERGROUND ELECTRIC
- UNDERGROUND COMMUNICATIONS
- OVERHEAD UTILITY LINE
- STORM SEWER
- SANITARY SEWER
- EXISTING RIGHT OF WAY
- EXISTING LIMITED ACCESS RIGHT OF WAY

PROPOSED LEGEND

- ASPHALT PAVEMENT
- CONCRETE
- REMOVE EXISTING PAVEMENT
- DETECTABLE WARNING
- PROPOSED SIGN

GENERAL NOTES

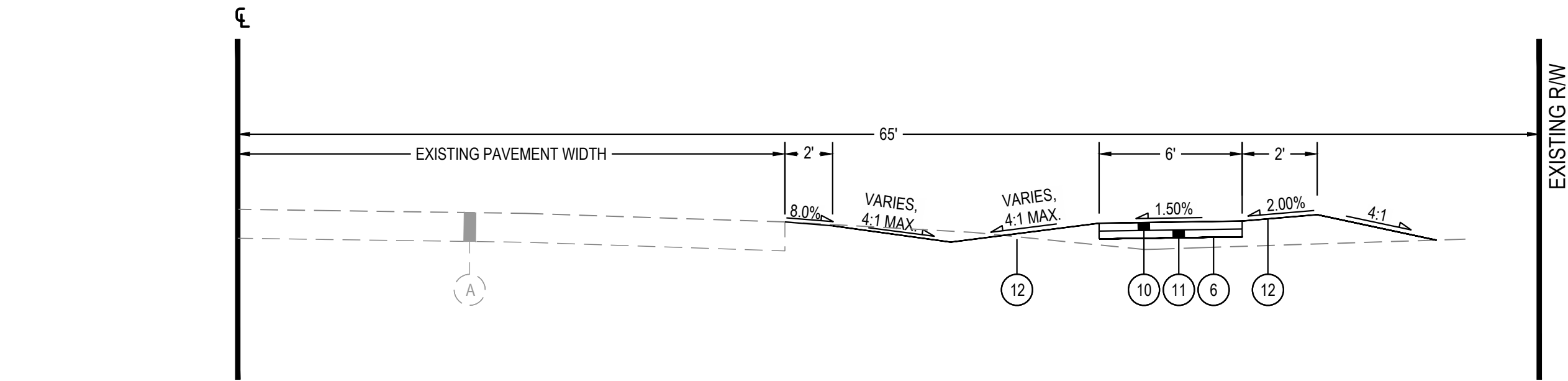
LONDON GROVEPORT ROAD (S.R. 317), ALUM CREK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

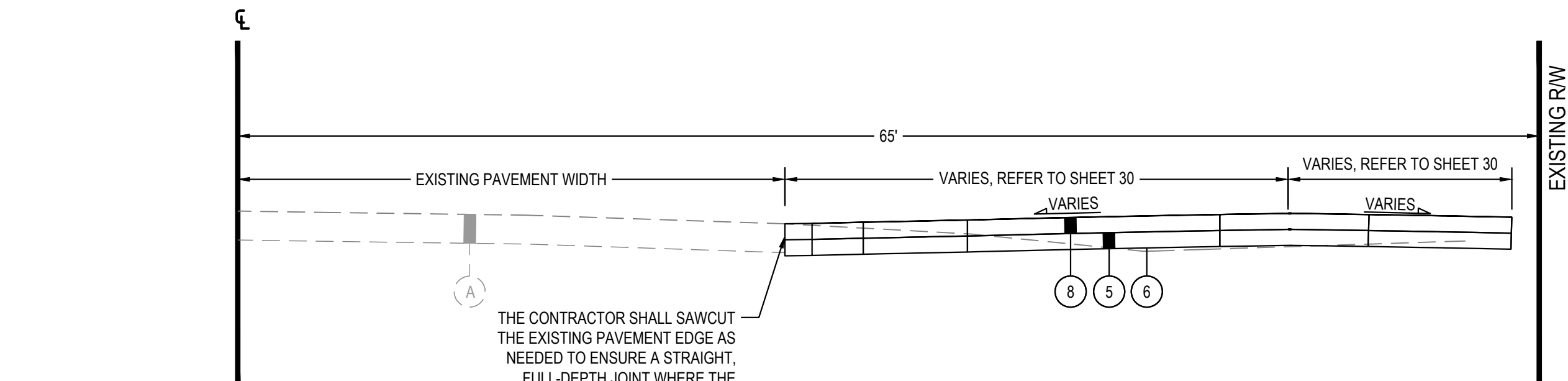
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LONDON GROVEPORT ROAD (S.R. 317) TYPICAL SECTIONS

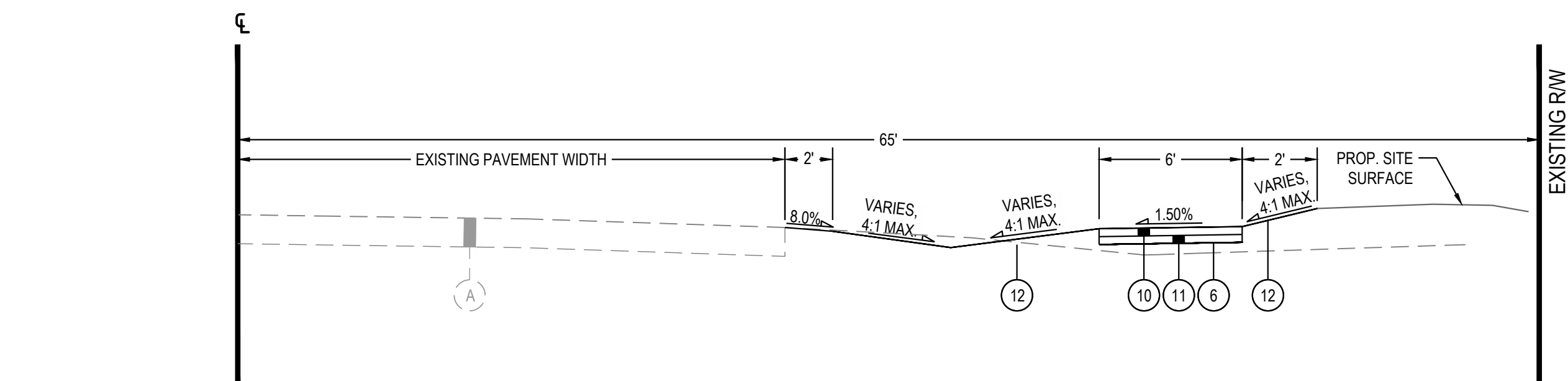
ALUM CREEK DRIVE TYPICAL SECTIONS



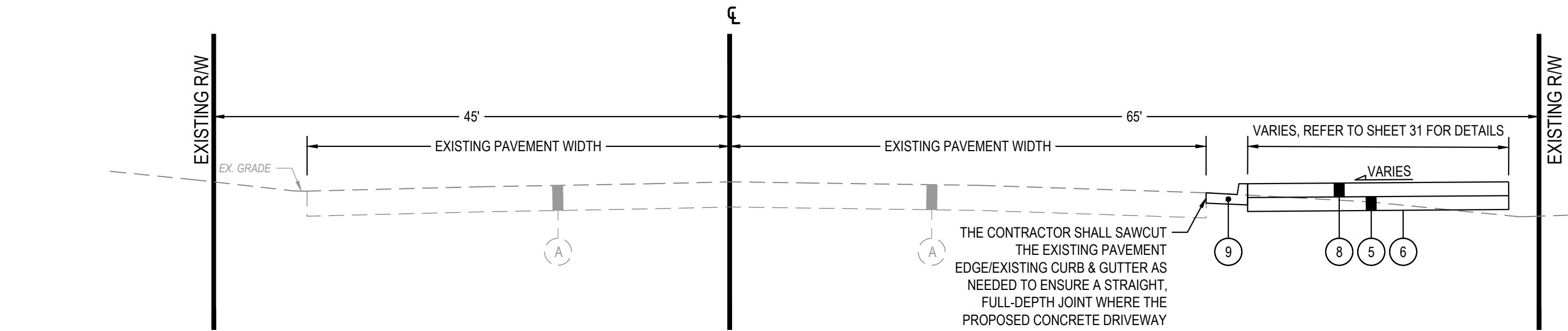
TYPICAL SECTION - LONDON GROVEPORT ROAD (S.R. 317)
STA. 198+14.01 TO STA. 198+77.47
-NTS-



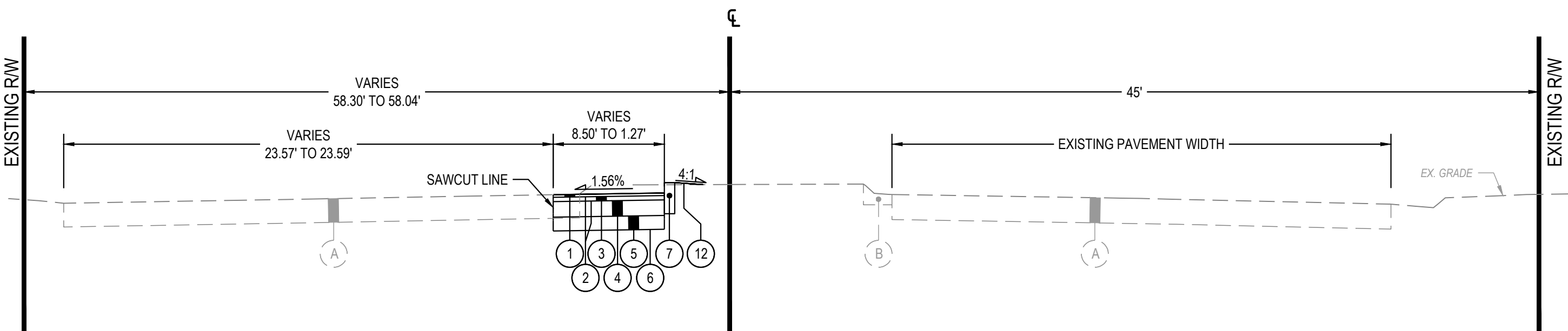
TYPICAL SECTION - LONDON GROVEPORT ROAD (S.R. 317)
STA. 196+29.22 TO STA. 198+14.01
-NTS-



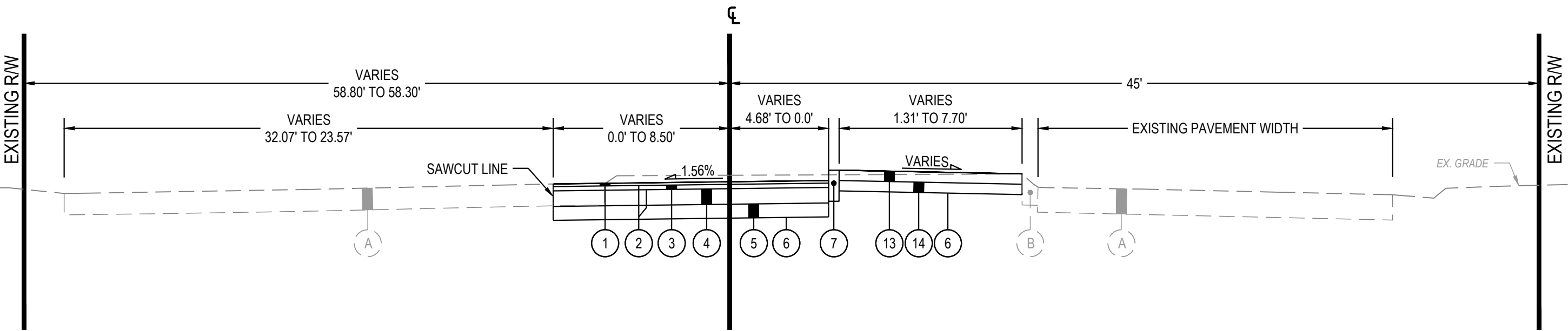
TYPICAL SECTION - LONDON GROVEPORT ROAD (S.R. 317)
STA. 194+14.33 TO STA. 196+29.22
-NTS-



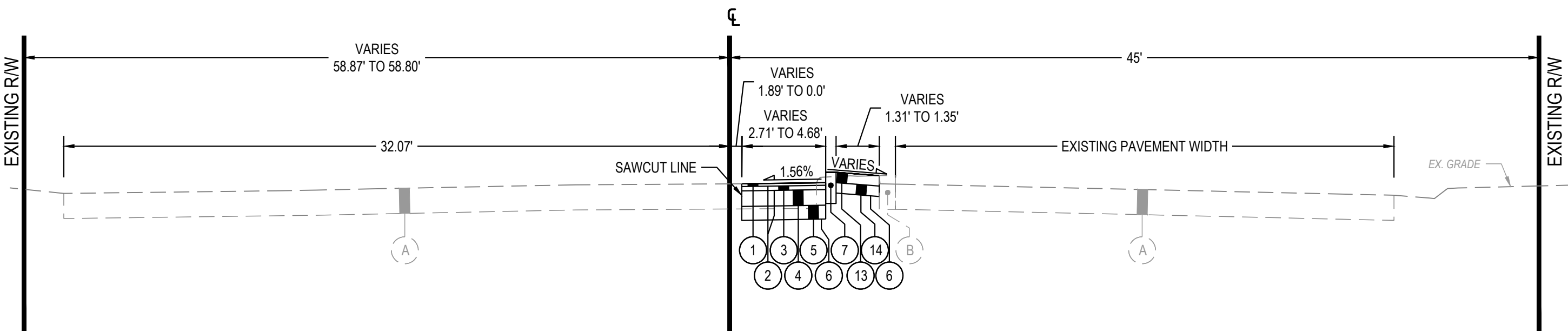
TYPICAL SECTION - ALUM CREEK DR
STA. 219+57.47 TO STA. 220+48.28
-NTS-



TYPICAL SECTION - ALUM CREEK DR
STA. 216+00 TO STA. 216+26.76
-NTS-

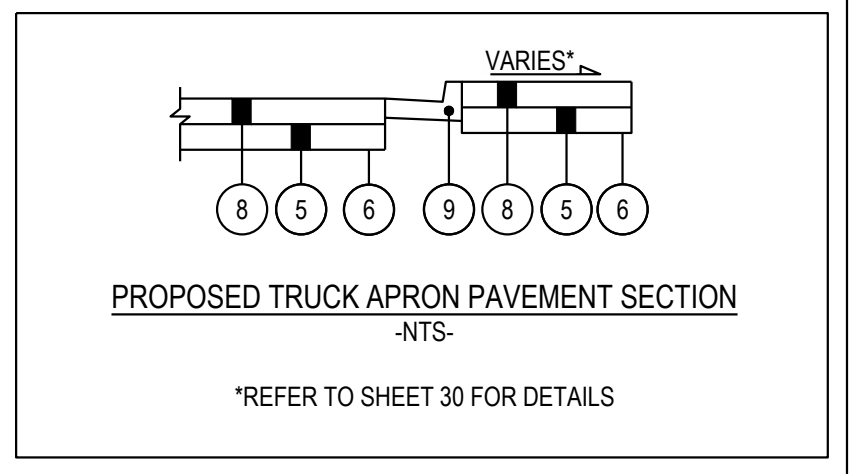
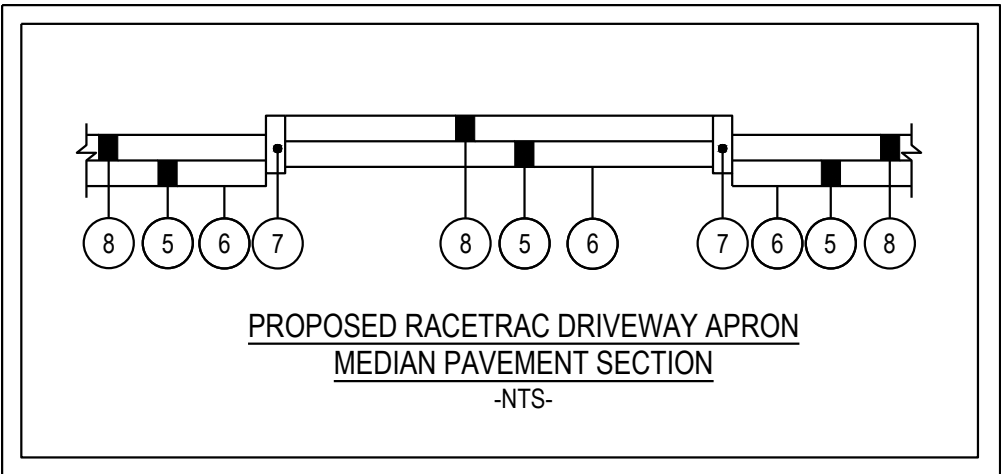


TYPICAL SECTION - ALUM CREEK DR
STA. 215+31.51 TO STA. 216+00.00
-NTS-



TYPICAL SECTION - ALUM CREEK DR
STA. 215+23.66 TO STA. 215+31.51
-NTS-

- LONDON GROVEPORT ROAD (S.R. 317) & ALUM CREEK DR
TYPICAL SECTION LEGEND**
- ① ODOT ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (449), WITH SAFETY EDGE
 - ② ODOT ITEM 407 - NON-TRACKING TACK COAT (0.055 GAL/SY)
 - ③ ODOT ITEM 441 - 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A, (449), WITH SAFETY EDGE
 - ④ ODOT ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 (2 - 4.5" LIFTS)
 - ⑤ ODOT ITEM 304 - 8" AGGREGATE BASE
 - ⑥ ODOT ITEM 204 - SUBGRADE COMPACTION
 - ⑦ ODOT ITEM 609 - BARRIER CURB, TYPE 6, PER ODOT STD. DWG. BP-5.1
 - ⑧ ODOT ITEM 451 - 8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
 - ⑨ ODOT ITEM 609 - CURB AND GUTTER, TYPE 2 (MODIFIED GUTTER = 1.5') PER ODOT STD. DWG. BP-5.1
 - ⑩ ODOT ITEM 608 - 4" CONCRETE SIDEWALK
 - ⑪ ODOT ITEM 304 - 4" AGGREGATE BASE
 - ⑫ ODOT ITEM 659 - SEEDING AND MULCHING
 - ⑬ ODOT ITEM 451 - 6" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
 - ⑭ ODOT ITEM 304 - 8" AGGREGATE BASE
 - (A) EXISTING ASPHALT/CONCRETE PAVEMENT SECTION
 - (B) EXISTING CURB TO REMAIN



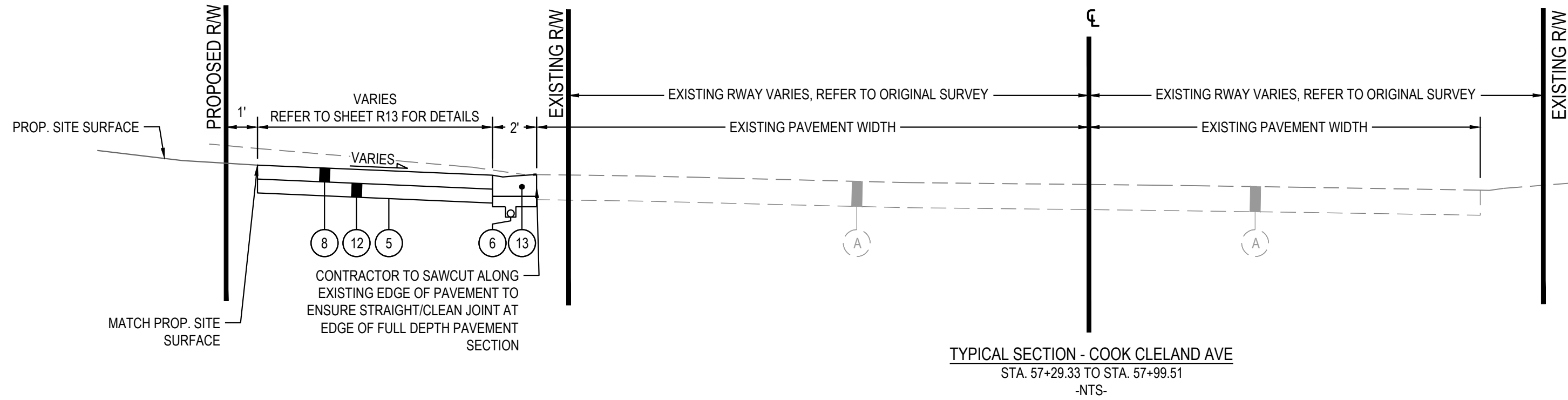
TYPICAL SECTIONS
LONDON GROVEPORT ROAD (S.R. 317) & ALUM CREEK DR

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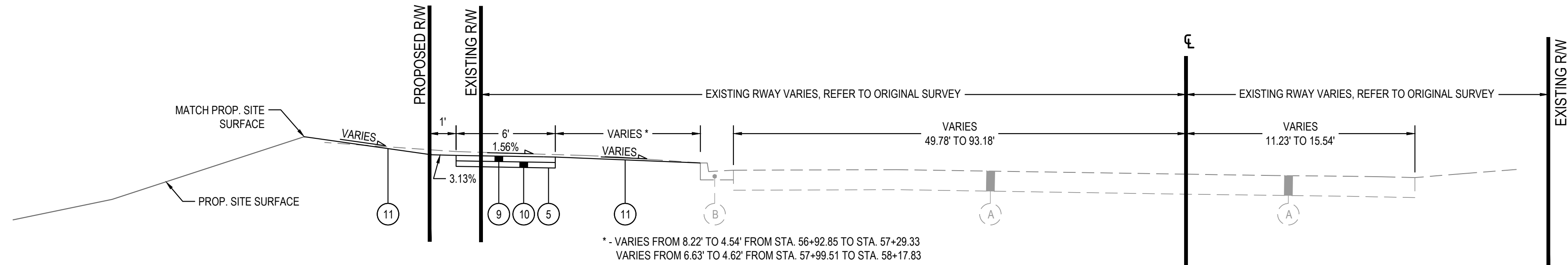
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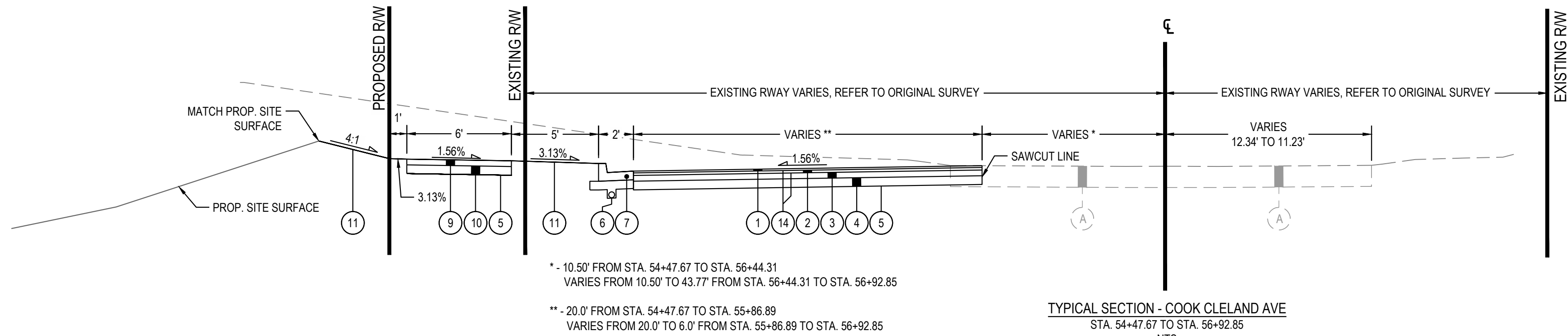
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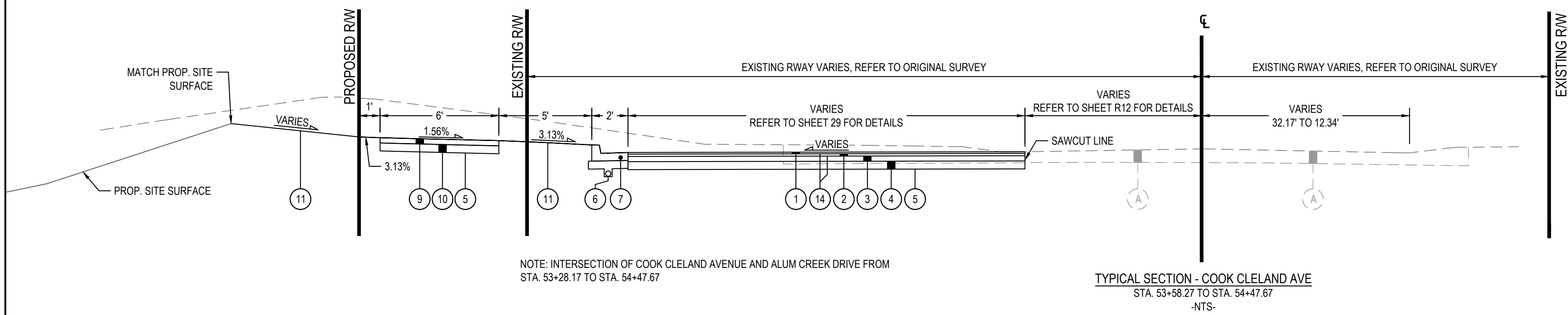
TYPICAL SECTION - COOK CLELAND AVE
STA. 57+29.33 TO STA. 57+99.51
-NTS-



TYPICAL SECTION - COOK CLELAND AVE
STA. 56+92.85 TO STA. 57+29.33
STA. 57+99.51 TO STA. 58+17.83
-NTS-



TYPICAL SECTION - COOK CLELAND AVE
STA. 54+47.67 TO STA. 56+92.85
-NTS-



TYPICAL SECTION - COOK CLELAND AVE
STA. 53+58.27 TO STA. 54+47.67
-NTS-

NOTE: INTERSECTION OF COOK CLELAND AVENUE AND ALUM CREEK DRIVE FROM
STA. 53+28.17 TO STA. 54+47.67

COOK CLELAND AVE
TYPICAL SECTION LEGEND

- ① CITY OF COLUMBUS ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ② CITY OF COLUMBUS ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-28
- ③ CITY OF COLUMBUS ITEM 301 - 4" ASPHALT CONCRETE BASE COURSE, PG64-22
- ④ CITY OF COLUMBUS ITEM 301 - 8" AGGREGATE BASE
- ⑤ ODOT ITEM 204 - SUBGRADE COMPACTION
- ⑥ ODOT ITEM 605 - 4" PIPE UNDERDRAIN
- ⑦ CITY OF COLUMBUS COMBINATION CURB AND GUTTER, TYPE STANDARD PER STD. DWG. 2010
- ⑧ ODOT ITEM 451 - 8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- ⑨ ODOT ITEM 608 - 4" CONCRETE SIDEWALK
- ⑩ ODOT ITEM 304 - 4" AGGREGATE BASE
- ⑪ ODOT ITEM 659 - SEEDING AND MULCHING
- ⑫ CITY OF COLUMBUS ITEM 304 - 8" AGGREGATE BASE
- ⑬ CITY OF COLUMBUS CURB AND GUTTER (DROP) ACROSS DRIVEWAY ENTRANCE PER CITY OF COLUMBUS STD. DWG. 2202
- ⑭ ODOT ITEM 407 - NON-TRACKING TACK COAT (0.055 GAL/SY)
- (A) EXISTING ASPHALT/CONCRETE PAVEMENT SECTION
- (B) EXISTING CURB AND GUTTER TO REMAIN

TYPICAL SECTIONS
COOK CLELAND AVE

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E-4118

6
36

COOK CLELAND AVENUE ESTIMATE OF QUANTITIES			
NOTE: THESE QUANTITIES HAVE BEEN PROVIDED AS AN ESIMATE TO THE SCOPE OF WORK. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE TO EVALUATE THE COMPLETE PROJECT AS DETAILED IN THE NOTES, PLANS, AND SPECIFICATIONS AND PROCEDURE NECESSARY FOR THE COMPLETION OF THE PLAN IMPROVEMENTS ANS SUBMIT THE TOTAL PROJECT COST ACCORDINGLY.			
ITEM	QUANTITY	UNIT	DESCRIPTION
ROADWAY			
201	1	LUMP	CLEARING AND GRUBBING
202	224	SY	PAVEMENT REMOVED
202	72	SF	WALK REMOVED
202	522	LF	CURB & GUTTER REMOVED
202	1	EACH	CURB INLET REMOVED
203	1,195	CY	EXCAVATION
203	4	CY	EMBANKMENT
210	1,188	SY	SUBGRADE COMPACTION
252	535	LF	FULL DEPTH PAVEMENT SAWING
301	90	CY	4" ASPHALT CONCRETE BASE, PG64-22
304	36	CY	4" AGGREGATE BASE
304	135	CY	6" AGGREGATE BASE
304	14	CY	8" AGGREGATE BASE
407	89	GAL	NON-TRACKING TACK COAT (0.055 GAL/SY)
441	28	CY	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
441	40	CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-28
451	59	SY	8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
605	476	LF	4" PIPE UNDERDRAIN
608	324	SY	4" CONCRETE SIDEWALK
609	476	LF	CITY OF COLUMBUS COMBINATION CURB & GUTTER, TYPE STANDARD PER STD. DWG. 2010
611	27	LF	STORM SEWER, 24" RCP
611	1	EACH	MANHOLE PER CITY OF COLUMBUS STD. DWG. AA-S102
611	1	EACH	CURB INLET PER CITY OF COLUMBUS STD. DWG. AA-S125A
614	1	LUMP	MAINTAINING TRAFFIC
624	1	LUMP	MOBILIZATION
627	1	LUMP	CONSTRUCTION FURNISHED SURVEYING AND STAKING
659	687	SY	SEEDING AND MULCHING
832	1	LUMP	STORM WATER POLLUTION PREVENTION PLAN
TRAFFIC CONTROL			
630	52	FT	GROUND MOUNTED SUPPORT, NO. 2 POST
630	10	SF	SIGN, FLAT SHEET
630	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
644	0.05	MILE	CENTERLINE, 4", DOUBLE YELLOW, SOLID-SOLID
644	230	FT	CHANNELIZING LINE, 8", WHITE, SOLID
647	40	FT	STOP LINE, 24", WHITE, SOLID
647	1	EACH	WORD ON PAVEMENT, WHITE, SOLID
647	5	EACH	LANE ARROW, WHITE, SOLID
EROSION CONTROL			
207	3	EACH	INLET PROTECTION

LONDON GROVEPORT ROAD (S.R. 317) & ALUM CREEK DRIVE ESTIMATE OF QUANTITIES			
NOTE: THESE QUANTITIES HAVE BEEN PROVIDED AS AN ESIMATE TO THE SCOPE OF WORK. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE TO EVALUATE THE COMPLETE PROJECT AS DETAILED IN THE NOTES, PLANS, AND SPECIFICATIONS AND PROCEDURE NECESSARY FOR THE COMPLETION OF THE PLAN IMPROVEMENTS ANS SUBMIT THE TOTAL PROJECT COST ACCORDINGLY.			
ITEM	QUANTITY	UNIT	DESCRIPTION
ROADWAY			
201	1	LUMP	CLEARING AND GRUBBING
202	30	SY	PAVEMENT REMOVED
202	121	FT	PIPE REMOVED
202	433	SF	WALK REMOVED
202	105	LF	CURB REMOVED
202	91	LF	CURB & GUTTER REMOVED
202	2	SY	CONCRETE MEDIAN REMOVED
202	1	EACH	CATCH BASIN REMOVED
203	134	CY	EXCAVATION
203	302	CY	EMBANKMENT
210	1,349	SY	SUBGRADE COMPACTION
252	380	LF	FULL DEPTH PAVEMENT SAWING
301	22	CY	9" ASPHALT CONCRETE BASE, PG64-22 (2 - 4.5" LIFTS)
304	30	CY	4" AGGREGATE BASE
304	182	CY	8" AGGREGATE BASE
407	10	GAL	NON-TRACKING TACK COAT (0.055 GAL/SY)
441	4	CY	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (449), WITH SAFTY EDGE
441	7	CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A, (449), WITH SAFTY EDGE
451	22	SY	6" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
451	793	SY	8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
608	264	SY	4" CONCRETE SIDEWALK
609	249	LF	BARRIER CURB, TYPE 6, PER ODOT STD. DWG. BP-5.1
609	371	LF	CURB AND GUTTER, TYPE 2 (MODIFIED GUTTER = 1.5') PER ODOT STD. DWG. BP-5.1
611	31	LF	STORM SEWERR, 15" PVC
611	130	LF	STORM SEWER, 12" RCP
611	69	LF	STORM SEWER, 15" RCP
611	12	LF	STORM SEWER, 30" CPP
611	2	EACH	MANHOLE PER ODOT STD. DWG. MH-3
611	2	EACH	CATCH BASIN PER ODOT STD. DWG. CB-2-3
614	1	LUMP	MAINTAINING TRAFFIC
624	1	LUMP	MOBILIZATION
627	1	LUMP	CONSTRUCTION FURNISHED SURVEYING AND STAKING
659	583	SY	SEEDING AND MULCHING
832	1	LUMP	STORM WATER POLLUTION PREVENTION PLAN
TRAFFIC CONTROL			
620	11	EACH	DELINEATOR
621	23	EACH	RAISED PAVEMENT MARKINGS INSTALLED
621	19	EACH	RAISED PAVEMENT MARKINGS REMOVED
630	130	FT	GROUND MOUNTED SUPPORT, NO. 2 POST
630	60	SF	SIGN, FLAT SHEET
630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
644	0.08	MILE	CENTERLINE, 4", DOUBLE YELLOW, SOLID-SOLID
644	0.14	MILE	EDGE LINE, 6", WHITE, SOLID
644	561	FT	CHANNELIZING LINE, 8", WHITE, SOLID
647	44	FT	TRANSVERSE/DIAGONAL LINE, 24", YELLOW, SOLID
647	45	FT	STOP LINE, 24", WHITE, SOLID
644	0.11	MILE	CENTERLINE, 4". DOUBLE YELLOW, DASHED-SOLID
647	15	EACH	LANE ARROW, WHITE, SOLID
647	188	FT	CROSSWALK, 12", WHITE, SOLID
647	34	FT	TRANSVERSE/DIAGONAL LINE, 24", WHITE, SOLID
644	228	MILE	EDGE LINE, 4" YELLOW, SOLID

ESTIMATE OF QUATITIES

LONDON GROVEPORT ROAD (S.R. 317), ALUM CREK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

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CITY OF COLUMBUS MAINTENANCE OF TRAFFIC NOTES

TEMPORARY TRAFFIC CONTROL

1.

ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE 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 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.
2.

CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY 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 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.
3.

THE CONTRACTOR SHALL GIVE ADVANCE NOTICE (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845 AND THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER AT 614-645-1675, PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX 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:

TYPE OF CHANGE

ADVANCE NOTIFICATION NEEDED

DETOURS/ROAD CLOSURES

30-DAY NOTIFICATION PRIOR TO CLOSURE.

LANE CLOSURES LASTING 2 WEEKS OR MORE

2-WEEKS

LANE CLOSURES OF LESS THAN 2 WEEKS

3-DAYS

LANE CLOSURES OF 2 DAYS OR LESS

1-DAY

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

4.

THE CONTRACTOR SHALL REPORT ANY LANE CLOSURE, PLANNED, CURRENT, AND EMERGENCY, LASTING ONE HOUR OR MORE, OR THE PLACEMENT OF A STEEL PLATE WITHIN THE CITY OF COLUMBUS RIGHT OF WAY USING THE CLOSED LANES OR STEEL PLATE EVENTS (CLOSE) PROGRAM FORM. THE FORM "TIPCARD" CAN BE FOUND AT WWW.COLUMBUS.GOV/CLOSE.REPORTING LANE CLOSURES AND/OR STEEL PLATE PLACEMENT IS MANDATORY. PLEASE CONTACT CLOSEPROGRAM@COLUMBUS.GOV

5.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF 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.

6.

MAINTAINING TRAFFIC DURING HOLIDAYS AND SPECIAL EVENTS

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAYS OR SPECIAL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES. THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR, 614-645-5845 OR CELL, 614-332-7472 FOR EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW YEARS, FOURTH OF JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12MIDNIGHT), MEMORIAL DAY, LABOR DAY, AND THANKSGIVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR TO FIREWORKS NIGHT SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PROJECT AREA AND PLACE EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR COMPLETELY REMOVED FROM THE SITE.

7.

THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBAL HOME GAMES.

8.

THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.

9.

ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY 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.

10.

THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE - WAY, DO NOT ENTER, RESTRICTED TURN SIGNS AND ALL STREET NAME SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.
11. ITEM 614 - MAINTAINING TRAFFIC
- ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614.

IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

•

WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES

•

WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS

•

WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER

•

WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM. FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645-4795.

LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS PUBLIC SAFETY AND/OR THE PUBLIC SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE.

ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITH PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS. THE OFFICIAL PATROL CAR WITH TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN- _____ HOURS

ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITHOUT PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN - ____ HOURS

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 TO THE CURRENT CMSC SPECIFICATION REQUIREMENTS 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.

FRANKLIN COUNTY MAINTENANCE OF TRAFFIC GENERAL NOTES

ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN
A MINIMUM OF TWO 10' LANES SHALL BE MAINTAINED ON ALL ROADS DURING NON-WORKING HOURS AND PEAK PERIODS (7AM-9AM AND 4PM-6PM). (FOR ALUM CREEK DR. 6AM-9AM AND 2PM-6PM). A TEMPORARY CLOSURE OF ONE OF THE TWO EASTBOUND TRAFFIC LANES, TO ACCOMMODATE ENCROACHMENT INTO THE WESTBOUND TRAFFIC LANE FOR DRIVEWAY CONSTRUCTION, IS PERMITTED DURING WORKING NON-PEAK HOURS (ALUM CREEK 9AM-2PM). ODOT'S TYPICAL APPLICATION DRAWINGS TA-31 AND TA-32 (OMUTCD FIGURES 6H-31 AND 6H-32), AS WELL AS MT-95.30 THROUGH 32 SHALL BE USED AS GENERAL GUIDANCE FOR THE

MOT SET-UP, AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR MAY SUBMIT AN ALTERNATE MOT PLAN AT THE PRECONSTRUCTION MEETING SHOWING HOW THEY PLAN TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE OMUTCD AND THESE TRAFFIC MAINTENANCE NOTES. THESE PLANS WILL NEED TO BE REVIEWED AND APPROVED BY THE FRANKLIN COUNTY ENGINEER'S OFFICE. THE CONTRACTOR WILL BE ADVISED AS TO THE REVIEW RESULTS IN WRITING WITHIN THIRTY (30) DAYS.

THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER'S MOBILITY DEPARTMENT AT 614-525-6036 TWO WEEKS PRIOR TO BEGINNING WORK, AND WEEKLY THEREAFTER, TO DISCUSS ANY CHANGES TO THE MAINTENANCE OF TRAFFIC PLAN AND/OR COMPLETION DATE. BEFORE WORK IS STARTED ON THIS PROJECT THE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE OF OPERATION AND A TRAFFIC MAINTENANCE CONTROL PLAN FOR APPROVAL. NO WORK WILL BE STARTED THAT WILL RESTRICT ANY LANE USAGE UNLESS IT IS THE INTENT OF THE CONTRACTOR TO WORK FULL TIME WITH A FULL FORCE IN ORDER TO COMPLETE THE WORK WITHOUT UNNECESSARY DELAYS.

THE FOLLOWING IS THE SUGGESTED SEQUENCE OF CONSTRUCTION FOR THIS PROJECT:

PHASE ONE:

1.

CONSTRUCT PROPOSED RACETRAC DRIVEWAY #1 AND PROPOSED SIDEWALK ALONG LONDON GROVEPORT ROAD (S.R. 317). CLOSE EASTBOUND SHOULDER AND PROVIDE SIGNAGE AS SHOWN ON SHEET 10.

PHASE TWO:

1.

CONSTRUCT SOUTHBOUND LEFT TURN LANE EXTENSION ALONG ALUM CREEK DRIVE. CLOSE INSIDE SOUTHBOUND AND NORTHBOUND THROUGH LANES. MERGE SOUTHBOUND AND NORTHBOUND TRAFFIC AND PROVIDE SIGNAGE AS SHOWN ON SHEET 11. CONSTRUCTION TO BE COMPLETED IN EXPEDITED FASHION DURING NON-PEAK HOURS.

PHASE THREE:

1.

CONSTRUCT PROPOSED RACETRAC DRIVE #2. CLOSE OUTSIDE NORTHBOUND THROUGH LANE. CLOSE NORTHBOUND THROUGH LANE AND PROVIDE SIGNAGE AS SHOWN ON SHEET 12. WORK TO BE COMPLETED IN EXPEDITED FASHION DURING NON-PEAK HOURS.

PHASE FOUR:

1.

CONSTRUCT PORTION OF PROPOSED WIDENING AT INTERSECTION OF COOK CLELAND AVENUE AND ALUM CREEK DRIVE AS SHOWN ON SHEET 13. CONTRACTOR TO MAINTAIN TWO (2) 10' LANES ALONG COOK CLELAND AVENUE AND CLOSE RIGHT NORTHBOUND THROUGH LANE ALONG ALUM CREEK DRIVE. PROVIDE TEMPORARY PAVEMENT MARKINGS AND SIGNAGE AS SHOWN ON SHEET 13. CONSTRUCTION TO BE COMPLETED IN EXPEDITED FASHION DURING NON-PEAK HOURS.

PHASE FIVE:

1.

CONSTRUCT PROPOSED WIDENING ALONG COOK CLELAND AVENUE. CONTRACTOR TO PROVIDE FLAGGERS AND SIGNAGE AS SHOWN ON SHEET 14 DURING WORKING HOURS. CONTRACTOR TO PROVIDE TWO (2) 10' LANES ALONG COOK CLELAND AVENUE DURING NON-WORKING HOURS. CONTRACTOR TO PROVIDE TEMPORARY PAVEMENT AS NEEDED TO MAINTAIN TWO (2) 10' LANE DURING NON-WORKING HOURS. LAW ENFORCEMENT OFFICERS (LEOS) SHALL BE USED IN CONJUNCTION WITH FLAGGING OPERATIONS TO PROVIDE ADDITIONAL TRAFFIC CONTROL AND PROMOTE SAFETY OF THE WORKERS AND THE TRAVELING PUBLIC. LEOS SHALL BE PROVIDED IN ACCORDANCE WITH ODOT ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS. WORK HOURS ARE RESTRICTED TO 9AM-2PM. NO WORK OUTSIDE OF 9AM-2PM SHALL BE PERMITTED. CONSTRUCTION TO BE COMPLETED IN EXPEDITED FASHION DURING NON-PEAK HOURS.

PHASE SIX:

1.

CONTRACTOR TO COMPLETE FINAL PAVEMENT MARKING AND RPM PLACEMENT OPERATIONS DURING OFF PEAK HOURS IN ACCORDANCE WITH ODOT MT-99.20 AND THE MOST RECENT OMUTCD MANUAL.

THE FOLLOWING DEVICES MUST MEET NCHRP 350 OR MASH-08 BEFORE THE DEVICES ARE INSTALLED ON THE PROJECT: DRUMS, CONES, VERTICAL PANELS AND THE PANEL SUPPORT, PORTABLE SIGN SUPPORTS, TEMPORARY IMPACT ATTENUATORS, TEMPORARY CONCRETE BARRIER, AND BARRICADES.

ALL CONSTRUCTION SIGNING SHALL BE INSTALLED AND COVERED BEFORE CONSTRUCTION BEGINS. AFTER CONSTRUCTION SIGN INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE FRANKLIN COUNTY ENGINEER'S OFFICE MOBILITY DEPARTMENT AT 614-525-6036 THREE (3) WORKING DAYS BEFORE WORK BEGINS AND REQUEST AN INSPECTION OF ALL SIGNING.

FACES OF CONSTRUCTION SIGNS AND REFLECTIVE SHEETING ON BARRICADES SHALL BE TYPE H (VIP). ALL ORANGE CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. ALL SHEETING WILL BE TESTED FOR REFLECTIVITY PER ODOT 730.192. VERTICAL PANELS AND DRUM BANDS SHALL BE REFLECTORIZED WITH TYPE G (HIGH INTENSITY) SHEETING COMPLYING WITH THE REQUIREMENTS OF 730.19. ALL SIGNS AND BARRICADES, VERTICAL PANELS, AND DRUMS WILL BE LIKE NEW AND IN GOOD CONDITION IN CONFORMANCE WITH "QUALITY" GUIDELINES FOR TEMPORARY TRAFFIC CONTROL DEVICES AND FEATURES" PUBLISHED BY ATSSA.

MAINTENANCE OF ALL CONTRACTOR-SUPPLIED SIGNS, BARRICADES, VERTICAL PANELS AND DRUMS IS THE CONTRACTOR'S RESPONSIBILITY. IF THE CONTRACTOR FAILS TO CORRECT DEFICIENCIES WITHIN FOUR (4) HOURS OF NOTIFICATION, FRANKLIN COUNTY SHALL CORRECT OR HIRE SOMEONE TO CORRECT THE DEFICIENCIES. THE CONTRACTOR SHALL THEN BE BACK CHARGED PER ODOT SPECIFICATION 614. IN THE CASE THAT BACK CHARGING THE CONTRACTOR IS NOT APPLICABLE, THE COUNTY WILL RESCIND AND WITHHOLD ALL PERMITS ISSUED TO THE CONTRACTOR TO WORK WITHIN COUNTY RIGHT-OF-WAY UNTIL THE ISSUE IS SETTLED. THESE PROVISIONS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF ANY OF THEIR LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC.

ALL BARRICADES AT CLOSURES SHALL HAVE YELLOW TYPE A LOW INTENSITY FLASHING WARNING LIGHTS AND TWO FLAGS. REFLECTIVE MATERIAL IS REQUIRED ON BOTH SIDES OF

ALL BARRICADES.

CONES ARE APPROVED FOR DAYTIME USE ONLY. DRUMS SHALL BE USED AT NIGHT AND HAVE YELLOW TYPE C STEADY BURN LIGHTS. CONES AND DRUMS SHALL BE PLACED AS FOLLOWS: 25' C/C ON TANGENTS, 15' C/C ON TAPERS, AND 8' C/C IN RADI.

ALL SIGNS NINE SQUARE FEET (36" X 36") AND OVER SHALL HAVE YELLOW TYPE A LOW INTENSITY FLASHING WARNING LIGHTS AND TWO FLAGS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ODOT CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE LATEST VERSION OF THE OMUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

COORDINATION WITH COTA

THE CONTRACTOR SHALL NOTIFY THE COTA SENIOR SERVICE PLANNER, OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. WHEN DETOURS ARE PLANNED, THE NOTIFICATION SHALL BE REPORTED AT LEAST 30 DAYS IN ADVANCE OF ANY ROAD CLOSURES. LANE CLOSURES OF LESS THAN TWO WEEKS DURATION AND MORE THAN TWO DAYS SHALL BE REPORTED AT LEAST 3 WORKING DAYS IN ADVANCE. FOR SHORT-TERM LANE CLOSURES (2 DAYS OR LESS) NOTIFICATION SHALL BE MADE AT LEAST ONE DAY IN ADVANCE. THE REPORT SHALL BE OF A FORMAT APPROVED BY THE PROJECT ENGINEER OR ONE SUPPLIED BY THE SENIOR MOBILITY TECHNICIAN. COTA CAN BE REACHED BY PHONE AT 614-308-4373, OR BY EMAIL AT EVANSPM1@COTA.COM.

TO COORDINATE AREA TRANSIT SERVICE INCLUDING ROUTING AND STOP IMPACTS AND/OR MOT IMPACTS CONTACT PAUL EVANS, COTA ROW OPERATIONS MANAGER, AT EVANSPM1@COTA.COM OR AT 614-308-4373 14 DAYS PRIOR TO OCCURRENCE.

PROJECTS IN THE RICKENBACKER AREA SHALL INCLUDE NOTIFICATION OF THE GREAT WORKFORCE TRANSPORTATION DIRECTOR: BOB DOWLER AT (614)836-7433 EXT. 2 OR BY EMAIL AT BDOWLER@GROVEPORT.ORG

EXISTING TRAFFIC SIGN MAINTENANCE

SPECIAL CARE SHALL BE TAKEN TO MAINTAIN EXISTING STREET NAME SIGNS AND STOP SIGNS. IF NECESSARY, THE CONTRACTOR SHALL RELOCATE THESE SIGNS OUT OF THE WAY OF CONSTRUCTION, BUT IN CONFORMANCE WITH OMUTCD. ANY DAMAGED SIGN SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

PERMANENT TRAFFIC CONTROL

ALL EXISTING AND PROPOSED PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGHOUT THE PROJECT BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY ENGINEER'S MOBILITY DEPARTMENT AT 614-525-6036 PRIOR TO DISTURBING OR RELOCATING ANY EXISTING SIGNING. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED TRAFFIC CONTROL DEVICES.

LOCAL ACCESS

INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES.DRIVEWAY CLOSURES MAY BE NECESSARY TO ENABLE WORK ON, OR IN FRONT OF, A DRIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING OWNERS, RESIDENTS, OR BUSINESS OPERATORS, IN WRITING, AT LEAST 48 HOURS, BUT NOT MORE THAN 72 HOURS, PRIOR TO CLOSURE. THE ENGINEER SHALL BE GIVEN A LIST OF THE PERSONS THAT WERE GIVEN NOTICES WITH THE DATE OF NOTICE INCLUDED. CLOSURE IS PERMITTED ONLY DURING WORK HOURS AND ACCESS MUST BE RETURNED AT THE END OF EACH WORKING DAY. PROPERTIES WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED AT A TIME, WHILE WORK IS PERFORMED IN THE AREA OF THE CLOSED DRIVE.

INDIVIDUAL DRIVE CLOSURES SHALL BE KEPT TO THE MINIMUM TIME NEEDED FOR CONSTRUCTION ACTIVITIES. EVERY EFFORT MUST BE MADE TO ACCOMMODATE BOTH RESIDENTIAL AND COMMERCIAL PROPERTY OWNER'S NEED FOR ACCESS.

PEDESTRIAN ACCESS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, AND AWAY FROM THE CONSTRUCTION SITE. THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES IN THE PROVISION OF TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS AND NOTES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES, AND OTHER WARNINGS TO PHYSICALLY SEPARATE THE PEDESTRIAN FROM HAZARDS INCIDENTAL TO THE CONSTRUCTION OPERATIONS SUCH AS OPEN EXCAVATIONS, ETC. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENTS SHALL BE IN ACCORDANCE WITH OMUTCD FIGURE 6H-28 AND 6H-29 (TA-28 AND TA-29). PEDESTRIAN MOT SHALL, AT ALL TIMES, BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

REMOVAL OF PAVEMENT MARKINGS

REMOVAL OF EXISTING OR WORK ZONE PAVEMENT MARKINGS FROM THE FINAL SURFACE COURSE USING WATER BLASTING OR GRINDING IS NOT PERMITTED. REMOVAL OF MARKINGS SHALL BE BY MEANS OF FULL-WIDTH MILLING AND OVERLAYING TO A DEPTH OF 1 1/2" BEFORE THE PERMANENT MARKINGS ARE APPLIED. ALL REPLACEMENT PAVEMENT MARKINGS SHALL COMPLY WITH ODOT ITEM 644 - THERMOPLASTIC PAVEMENT MARKING, APPLIED AT THE WIDTHS SHOWN BELOW:

EDGE LINES - 6" WHITE
CHANNELIZING LINES - 12" WHITE
CENTER LINES - 6" YELLOW

MAINTENANCE OF TRAFFIC NOTES

LONDON GROVEPORT ROAD (S.R. 317), ALUM CREEK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

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OHIO DEPARTMENT OF TRASNPORITION MAINTENANCE OF TRAFFIC GENERAL NOTES

MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN SIGNS (IN PROPER POSITION, CLEAN AND LEGIBLE, AND IN GOOD WORKING CONDITION) AND PROVIDE ALL LIGHTS, SIGNS, CONES, DRUMS, AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC ACCORDING TO THESE PLAN NOTES AND DETAILS.

NO CHANGES IN TRAFFIC CONTROL PATTERNS SHALL BE MADE BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH FRIDAY.

NO WORK SHALL BE PERFORMED ON U.S. 31 AND ALUM CREEK DRIVE AND THE SAME NUMBER OF LANES AS EXISTED BEFORE CONSTRUCTION SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS AND SPECIAL EVENTS:

HOLIDAYS

NEW YEAR'S (OBSERVED)
LABOR DAY
GENERAL/REGULAR ELECTION DAY (NOV)
THANKSGIVING
MEMORIAL DAY
CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT: TIME ALL LANES MUST BE OPEN TO TRAFFIC:

SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
(THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE CITY AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN TRAFFIC AT ALL TIMES. IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO AND THE MAXIMUM SAFETY OF THE WORKERS AND THE TRAVELING PUBLIC OCCASIONALLY. MODIFICATIONS IN TRAFFIC CONTROLS OR WORKING CONDITIONS MAY BE REQUIRED IN ORDER TO EXPEDITE SAFE TRAFFIC MOVEMENT AND TO PROMOTE WORKER SAFETY.

ALL VEHICLES, EQUIPMENT AND WORKERS AND THEIR ACTIVITIES ARE RESTRICTED TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER. CONSTRUCTION VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST THE FLOW OF TRAFFIC. CONSTRUCTION VEHICLES AND EQUIPMENT SHALL ENTER AND LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO, OR INTERFERE WITH THE NORMAL FLOW OF TRAFFIC. PERSONAL VEHICLES ARE NOT PERMITTED IN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE ENGINEER.

MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES AT THE LOCATIONS SPECIFIED IN PLANS.

TEMPORARY PAVEMENT WEDGE

TEMPORARY PAVEMENT WEDGES SHALL BE PROVIDED AT ALL TIMES WHERE TRAFFIC IS REQUIRED TO TRAVEL FROM OR ONTO A PAVEMENT SURFACE OF A DIFFERENT ELEVATION. THE MINIMUM SLOPE OF THE TEMPORARY PAVEMENT WEDGE SHALL BE 3:1 ALONG LONGITUDINAL JOINTS AND 120:1 AT TRANSVERSE JOINTS. THESE WEDGES SHALL BE REMOVED PRIOR TO PLACING THE SPECIFIED PAVEMENT COURSE.

DROP-OFFS IN WORK ZONE

THE DROP-OFF ADJACENT TO THE TRAVELED LANE MUST MEET THE CRITERIA OUTLINED IN ODOT STANDARD DRAWING MT-101.90 NO ADDITIONAL COMPENSATION SHALL BE MADE FOR MATERIALS, LABOR, OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS OF MT-101.90.

TRENCH FOR WIDENING

TRENCH FOR EXCAVATION FOR BASE WIDENING SHALL BE FOR ONLY ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL BY THE ENGINEER.

THE CONTRACTOR SHALL ENSURE THAT THE TRENCH FOR WIDENING HAS A VERTICAL DROP OF NO MORE THAN 5 INCHES. THE TRENCH CAN BE BACKFILLED BY AN AGGREGATE WEDGE. THE MAXIMUM SLOPE OF THE TEMPORARY AGGREGATE WEDGE SHALL BE 3:1 ALONG THE EXISTING PAVEMENT AND PROTECTED WITH DRUMS AT ALL TIMES.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 5 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST; LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CAMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT)

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP)

FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND
AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION;
AND,
AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION, FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL
ENCOUNTER, OR
THE ACTIVE WORK AREA Laterally CLOSEST TO THE
OPEN TRAVELED LANE; OR
OTHER LOCATION AS APPROVED BY THE ENGINEER

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT,

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR
FOR ASSISTANCE 100 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE

MAINTENANCE OF TRAFFIC NOTES

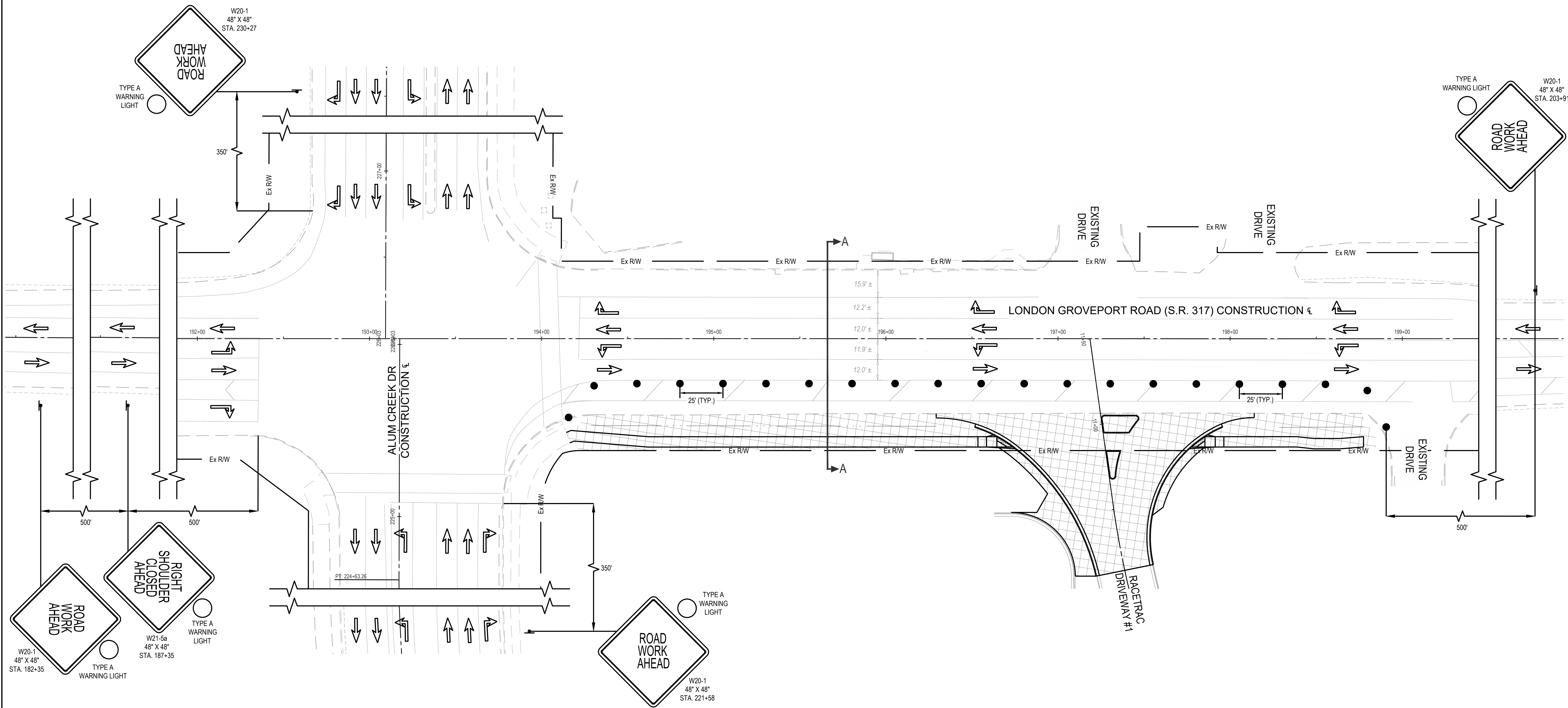
LONDON GROVEPORT ROAD (S.R. 317), ALUM CREEK DR, & COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

9
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LEGEND

CONSTRUCTION DRUM

TEMPORARY CONSTRUCTION SIGN

TYPE "C" ARROW BOARD (96"X48")

1

TEMPORARY EDGE LINE (4" WHITE)

2

TEMPORARY EDGE LINE (4" YELLOW)

TEMPORARY PAVEMENT MARKING

WORK ZONE

DIRECTION OF TRAVEL

- NOTES:
1.

CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVES WITHIN MAINTENANCE OF TRAFFIC LIMITS THROUGH THE DURATION OF CONSTRUCTION. CONTRACTOR TO COORDINATE ACCESS AND CLOSURES WITH PROPERTY OWNERS WITH DRIVEWAYS IMPACTED IN THE CONSTRUCTION ZONE.
2.
- ALL TEMPORARY TRAFFIC CONTROL MARKINGS SHALL BE REMOVABLE TAPE.

3.

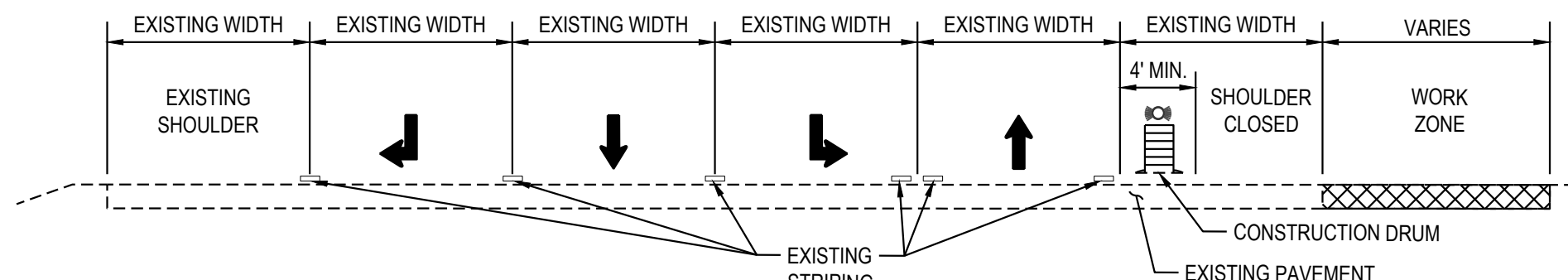
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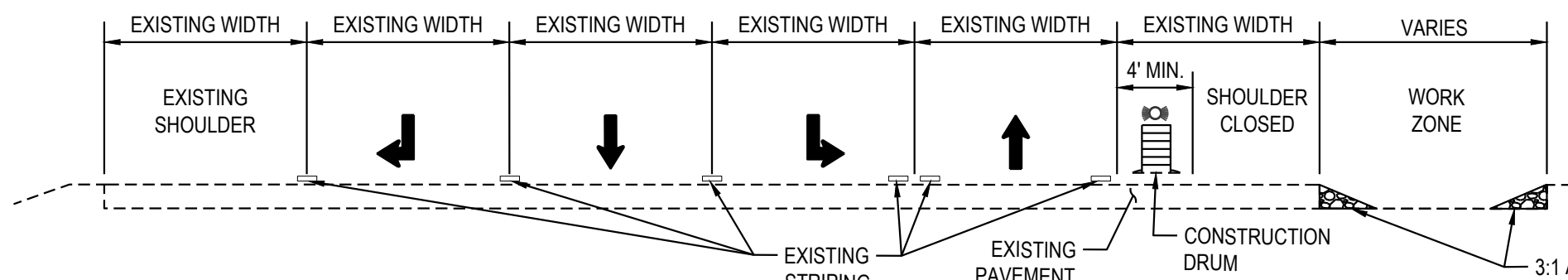
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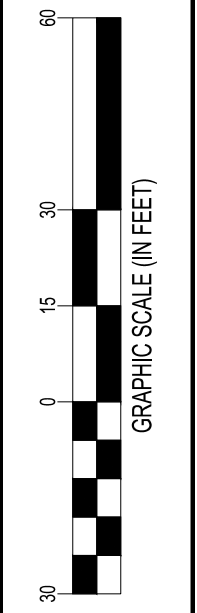
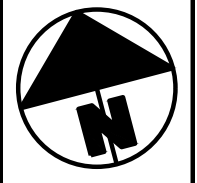
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SECTION A-A
N.T.S.
WORKING HOURS SECTION



SECTION A-A
N.T.S.
NON-WORKING HOURS SECTION



CALCULATED	SCW	PID
CHECKED		

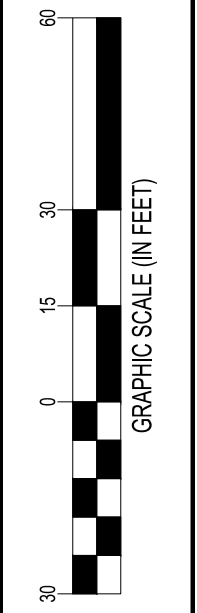
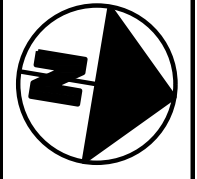
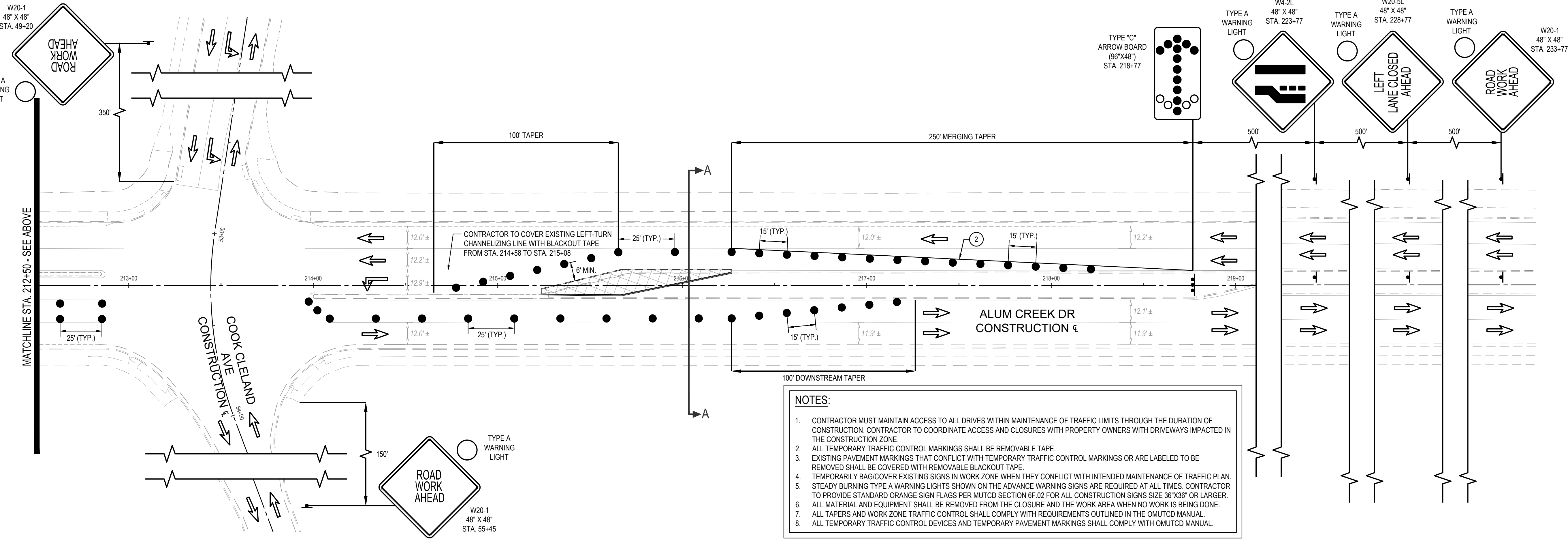
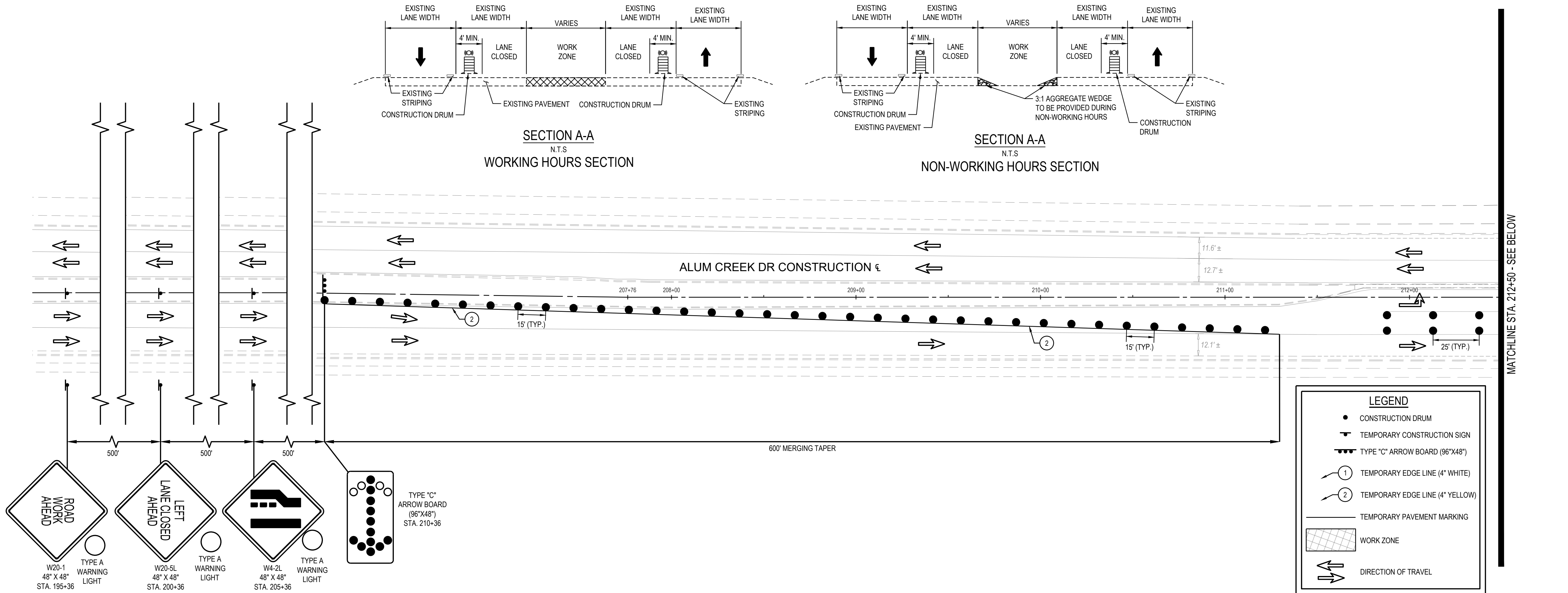
MAINTENANCE OF TRAFFIC - PHASE 1
LONDON GROVEPORT ROAD (S.R. 317)

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CHECKED	CHECKED	

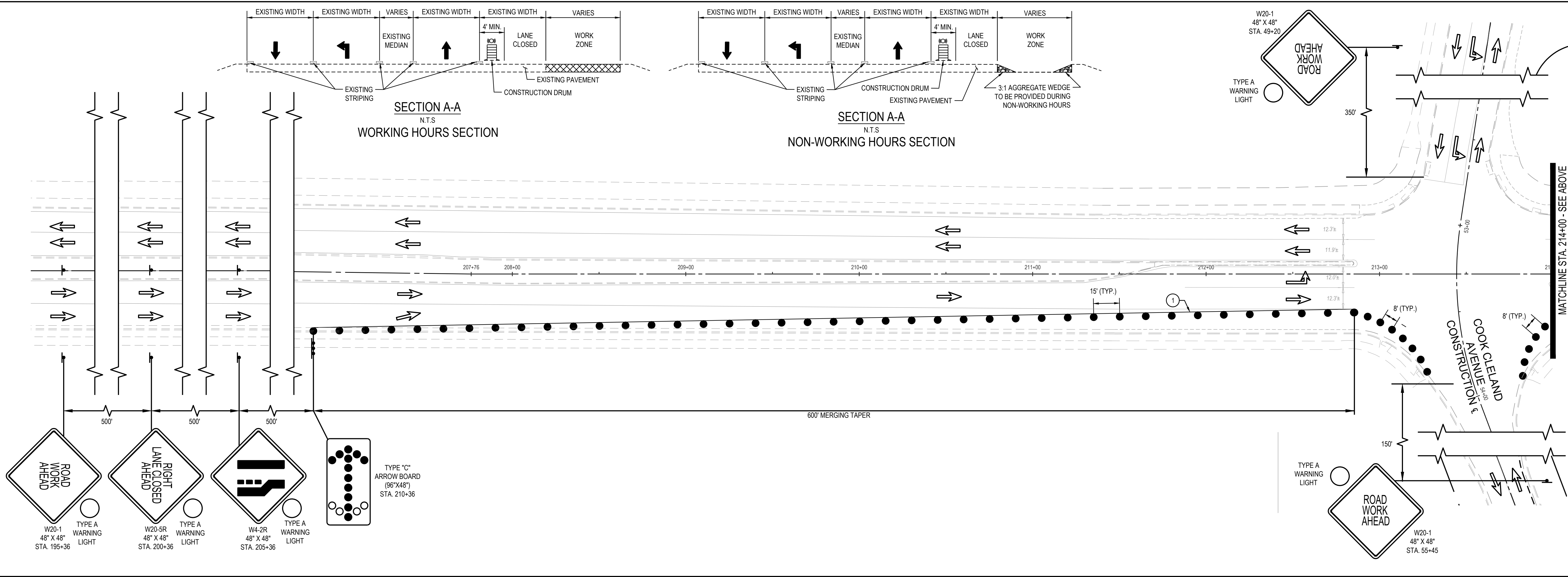
MAINTENANCE OF TRAFFIC - PHASE 2
ALUM CREEK DR & COOK CLELAND AVE

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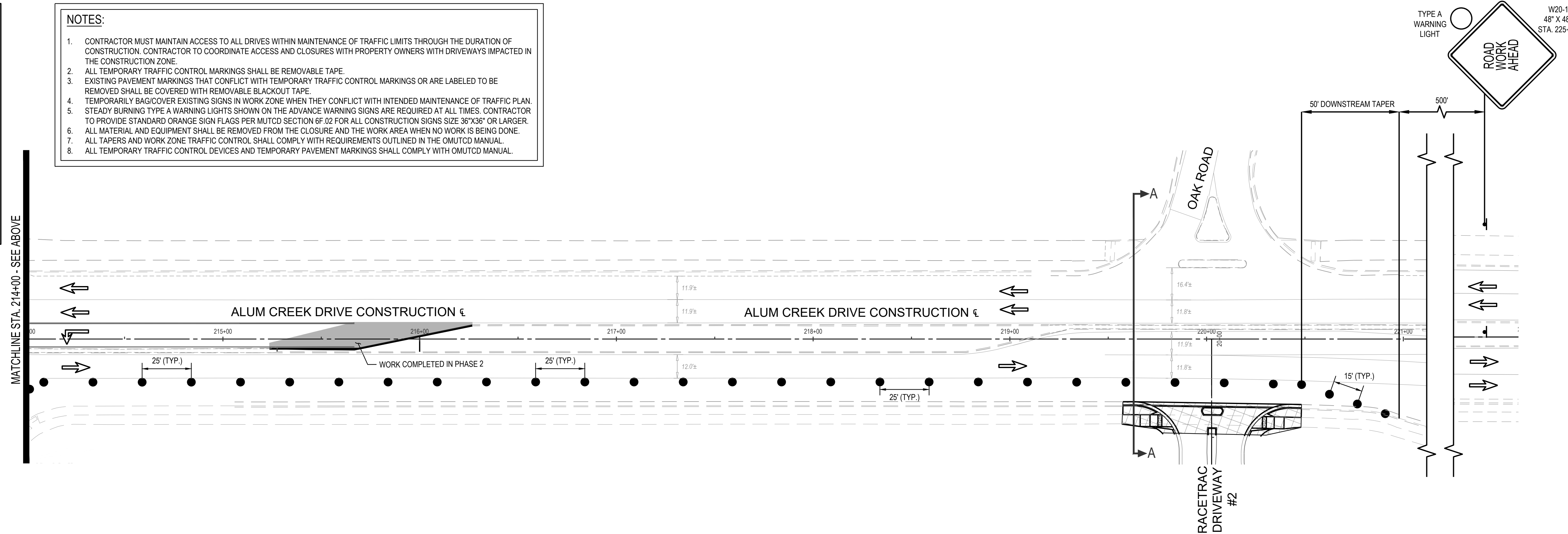


LEGEND

- CONSTRUCTION DRUM
- TEMPORARY CONSTRUCTION SIGN
- TYPE "C" ARROW BOARD (96"x48")
- TYPE II BARRICADE
- TEMPORARY EDGE LINE (4" WHITE)
- TEMPORARY EDGE LINE (4" YELLOW)
- TEMPORARY PAVEMENT MARKING
- WORK ZONE
- DIRECTION OF TRAVEL

NOTES:

- CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVES WITHIN MAINTENANCE OF TRAFFIC LIMITS THROUGH THE DURATION OF CONSTRUCTION. CONTRACTOR TO COORDINATE ACCESS AND CLOSURES WITH PROPERTY OWNERS WITH DRIVEWAYS IMPACTED IN THE CONSTRUCTION ZONE.
- ALL TEMPORARY TRAFFIC CONTROL MARKINGS SHALL BE REMOVABLE TAPE.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL MARKINGS OR ARE LABELED TO BE REMOVED SHALL BE COVERED WITH REMOVABLE BLACKOUT TAPE.
- TEMPORARILY BAG/COVER EXISTING SIGNS IN WORK ZONE WHEN THEY CONFLICT WITH INTENDED MAINTENANCE OF TRAFFIC PLAN.
- STEADY BURNING TYPE A WARNING LIGHTS SHOWN ON THE ADVANCE WARNING SIGNS ARE REQUIRED AT ALL TIMES. CONTRACTOR TO PROVIDE STANDARD ORANGE SIGN FLAGS PER MUTCD SECTION 6F.02 FOR ALL CONSTRUCTION SIGNS SIZE 36"x36" OR LARGER.
- ALL MATERIAL AND EQUIPMENT SHALL BE REMOVED FROM THE CLOSURE AND THE WORK AREA WHEN NO WORK IS BEING DONE.
- ALL TAPERS AND WORK ZONE TRAFFIC CONTROL SHALL COMPLY WITH REQUIREMENTS OUTLINED IN THE OMUTCD MANUAL.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS SHALL COMPLY WITH OMUTCD MANUAL.



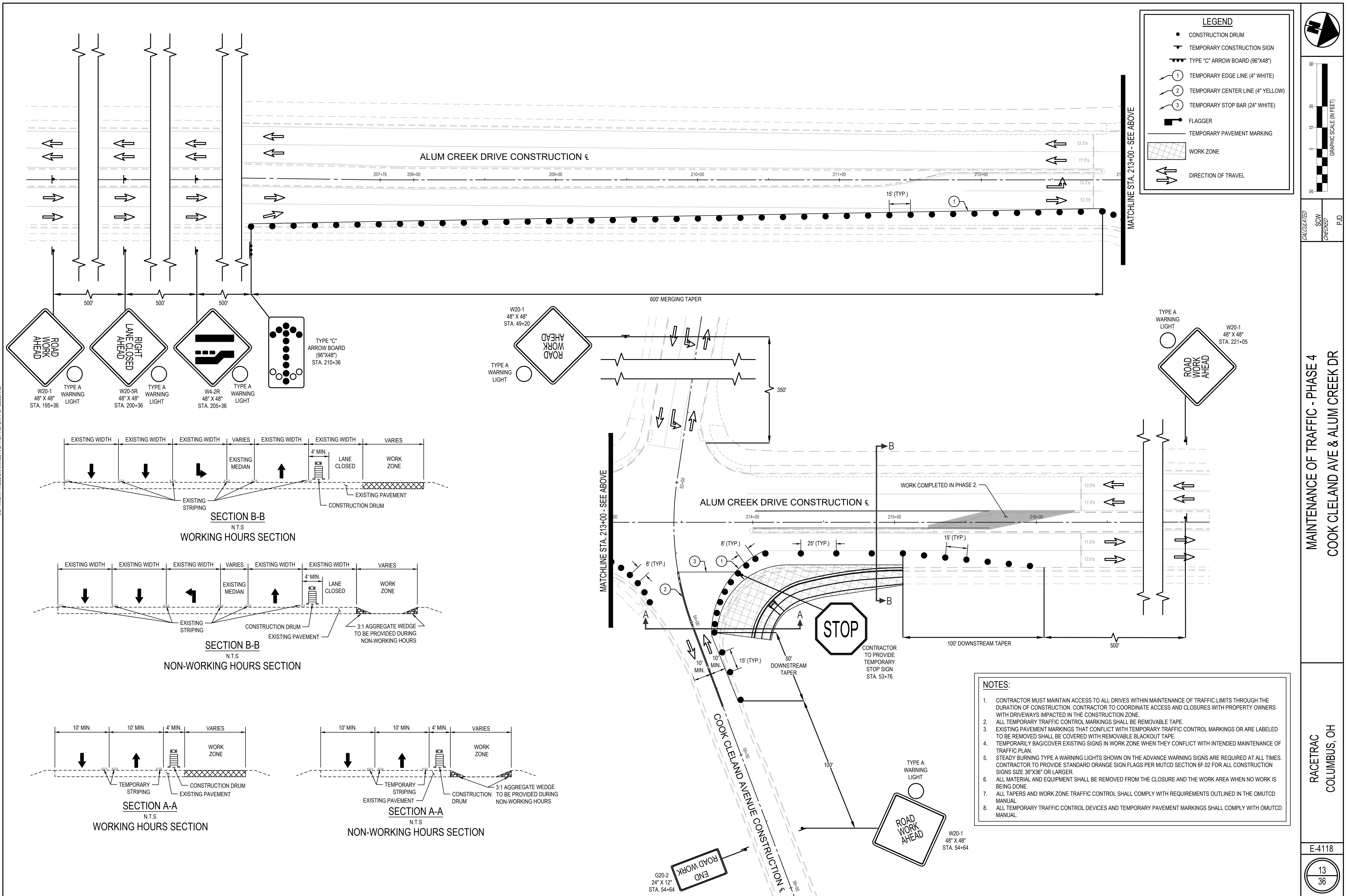
MAINTENANCE OF TRAFFIC - PHASE 3
ALUM CREEK DR & COOK CLELAND AVE

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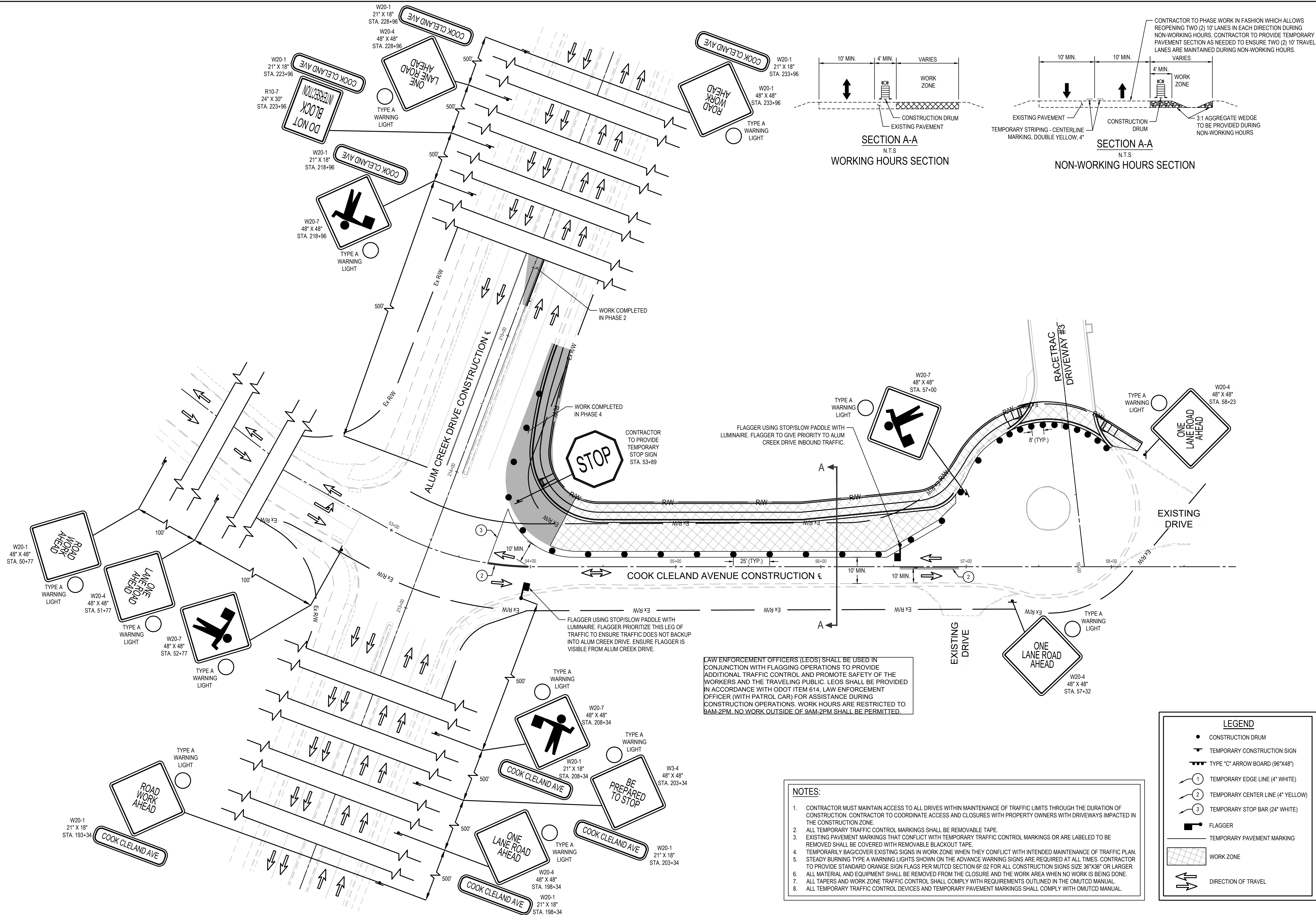
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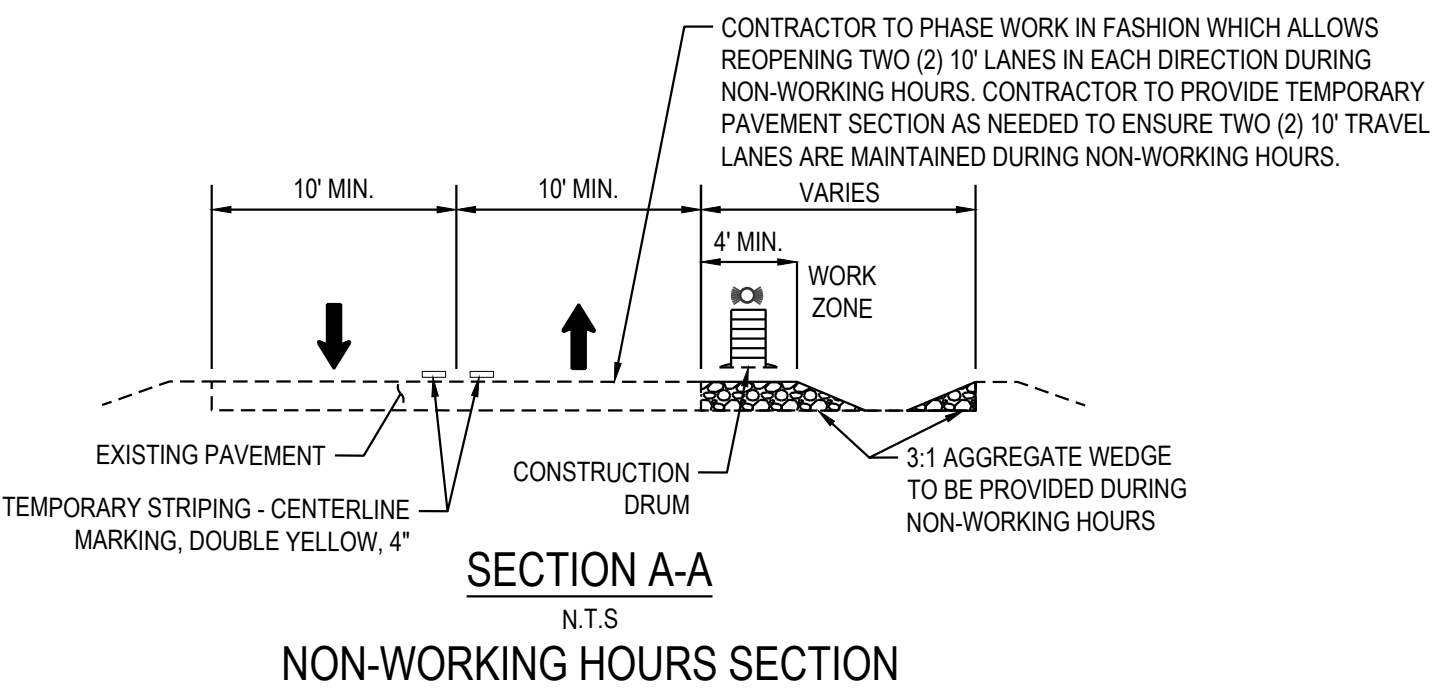
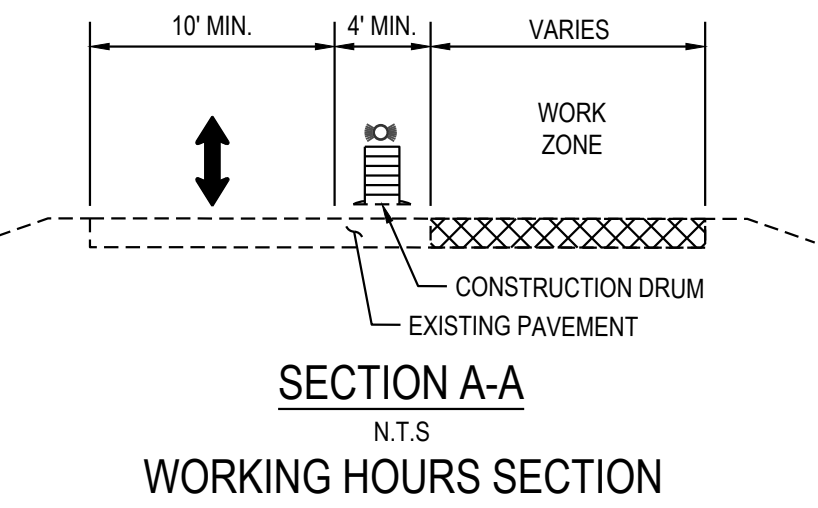
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- NOTES:**
- CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVES WITHIN MAINTENANCE OF TRAFFIC LIMITS THROUGH THE DURATION OF CONSTRUCTION. CONTRACTOR TO COORDINATE ACCESS AND CLOSURES WITH PROPERTY OWNERS WITH DRIVEWAYS IMPACTED IN THE CONSTRUCTION ZONE.
 - ALL TEMPORARY TRAFFIC CONTROL MARKINGS SHALL BE REMOVABLE TAPE.
 - EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL MARKINGS OR ARE LABELED TO BE REMOVED SHALL BE COVERED WITH REMOVABLE BLACKOUT TAPE.
 - TEMPORARILY BAG/COVER EXISTING SIGNS IN WORK ZONE WHEN THEY CONFLICT WITH INTENDED MAINTENANCE OF TRAFFIC PLAN. STEADY BURNING TYPE A WARNING LIGHTS SHOWN ON THE ADVANCE WARNING SIGNS ARE REQUIRED AT ALL TIMES. CONTRACTOR TO PROVIDE STANDARD ORANGE SIGN FLAGS PER MUTCD SECTION 6F.02 FOR ALL CONSTRUCTION SIGNS SIZE 36"x36" OR LARGER.
 - ALL MATERIAL AND EQUIPMENT SHALL BE REMOVED FROM THE CLOSURE AND THE WORK AREA WHEN NO WORK IS BEING DONE.
 - ALL TAPERS AND WORK ZONE TRAFFIC CONTROL SHALL COMPLY WITH REQUIREMENTS OUTLINED IN THE ODOTCD MANUAL.
 - ALL TEMPORARY TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS SHALL COMPLY WITH ODOTCD MANUAL.

LEGEND

- CONSTRUCTION DRUM
- TEMPORARY CONSTRUCTION SIGN
- TYPE "C" ARROW BOARD (96"x48")
- TEMPORARY EDGE LINE (4" WHITE)
- TEMPORARY CENTER LINE (4" YELLOW)
- TEMPORARY STOP BAR (24" WHITE)
- FLAGGER
- TEMPORARY PAVEMENT MARKING
- WORK ZONE
- DIRECTION OF TRAVEL



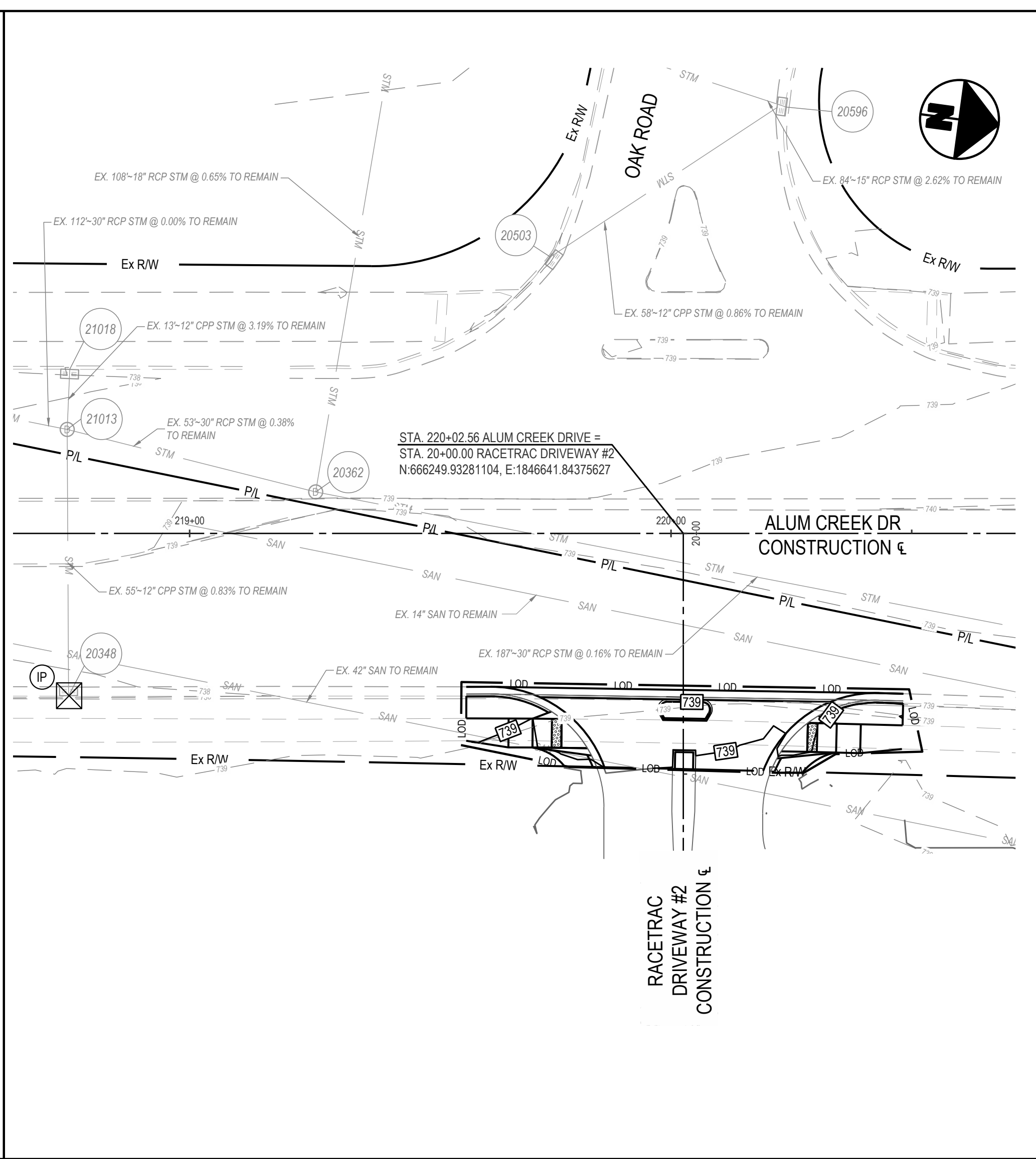
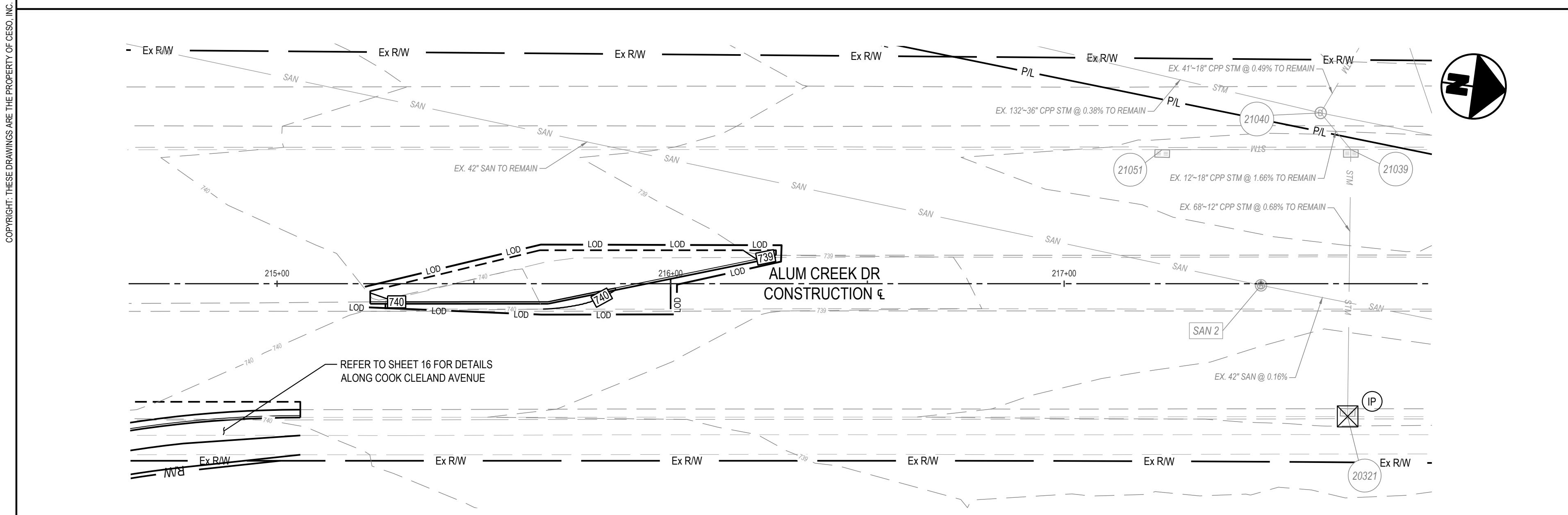
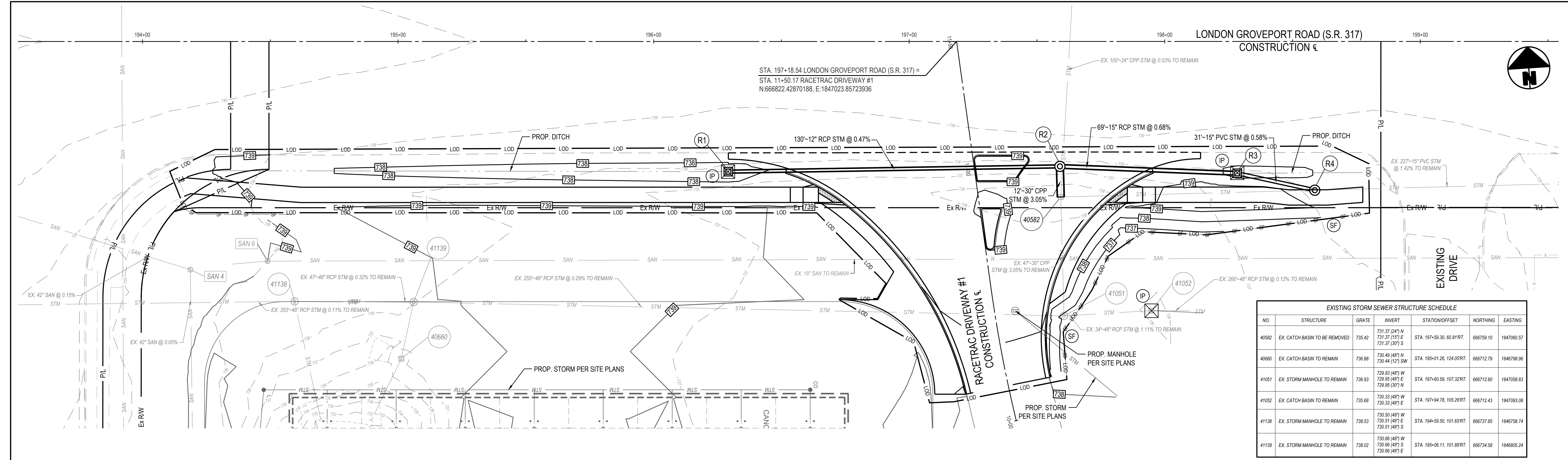
MAINTENANCE OF TRAFFIC - PHASE 5
COOK CLELAND AVE & ALUM CREEK DR

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LEGEND	
	EXISTING CONTOURS
	PROPOSED CONTOURS
	SILT FENCE
	LIMITS OF DISTURBANCE
	INLET PROTECTION

- SWPPP NOTES:**
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN POST-CONSTRUCTION PERMANENT EROSION CONTROL MEASURES UNTIL ADEQUATE RE-VEGETATION AND STABILIZATION ARE ACHIEVED.
 - CONTRACTOR TO PLACE ADDITIONAL SILT FENCE (PER ODOT STD. SPEC) AS NEEDED IN THE FIELD TO RETAIN ALL SOILS ON THE DISTURBED LAND AND PREVENT RUNOFF INTO THE SURROUNDING STORM WATER SYSTEM.
 - CONTRACTOR TO PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH THE LATEST VERSION OF THE ODOT STANDARDS AND SPECIFICATIONS.

EXISTING STORM SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
20321	EX. STORM CURB INLET TO REMAIN	738.90	732.86 (127) W	STA. 217+72.03, 33.70RT.	666026.04	1846706.28
20348	EX. STORM CURB INLET TO REMAIN	737.73	733.46 (127) W	STA. 219+74.86, 33.76RT.	666127.94	1846692.49
20362	EX. STORM MANHOLE TO REMAIN	738.68	731.90 (187) W 731.90 (307) N 731.90 (307) S	STA. 219+26.19, 8.62LT.	666173.10	1846643.59
20503	EX. STORM CURB INLET TO REMAIN	737.89	734.30 (127) NW	STA. 219+74.93, 57.45LT.	666214.82	1846588.64
20596	EX. STORM CURB INLET TO REMAIN	738.13	734.80 (157) S 734.80 (127) SE	STA. 220+23.99, 88.57LT.	666259.25	1846551.19
21013	EX. STORM MANHOLE TO REMAIN	738.14	733.00 (127) W 733.00 (127) E 731.70 (207) S 731.70 (307) N	STA. 219+74.57, 21.59LT.	666120.20	1846637.68
21018	EX. STORM CURB INLET TO REMAIN	737.68	733.40 (127) E	STA. 219+75.11, 34.12LT.	666119.05	1846625.29
21039	EX. STORM CURB INLET TO REMAIN	737.34	732.70 (127) S 732.40 (127) E 732.40 (167) SW	STA. 217+72.85, 34.10LT.	666017.72	1846638.97
21040	EX. STORM MANHOLE TO REMAIN	738.12	732.30 (167) NE 733.90 (187) NW 731.30 (367) S 731.70 (307) N	STA. 217+65.18, 43.39LT.	666008.87	1846830.80
21051	EX. STORM CURB INLET TO REMAIN	737.35	732.90 (127) N	STA. 217+24.93, 34.06LT.	665970.24	1846645.46

EXISTING SANITARY SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
SAN 2	EX. SAN MH TO REMAIN	738.59	715.62 (427) N 715.62 (427) S	STA. 217+50.02, 0.41RT.	665999.74	1846676.24
SAN 4	EX. SAN MANHOLE TO REMAIN	739.23	714.85 (427) S 714.85 (427) W	STA. 194+18.71, 89.23RT.	666752.90	1846718.65
SAN 6	EX. FORCE MAIN TO REMAIN	739.00	731.68 (187) E 731.68 (187) W	STA. 194+48.92, 85.89RT.	666754.26	1846749.21

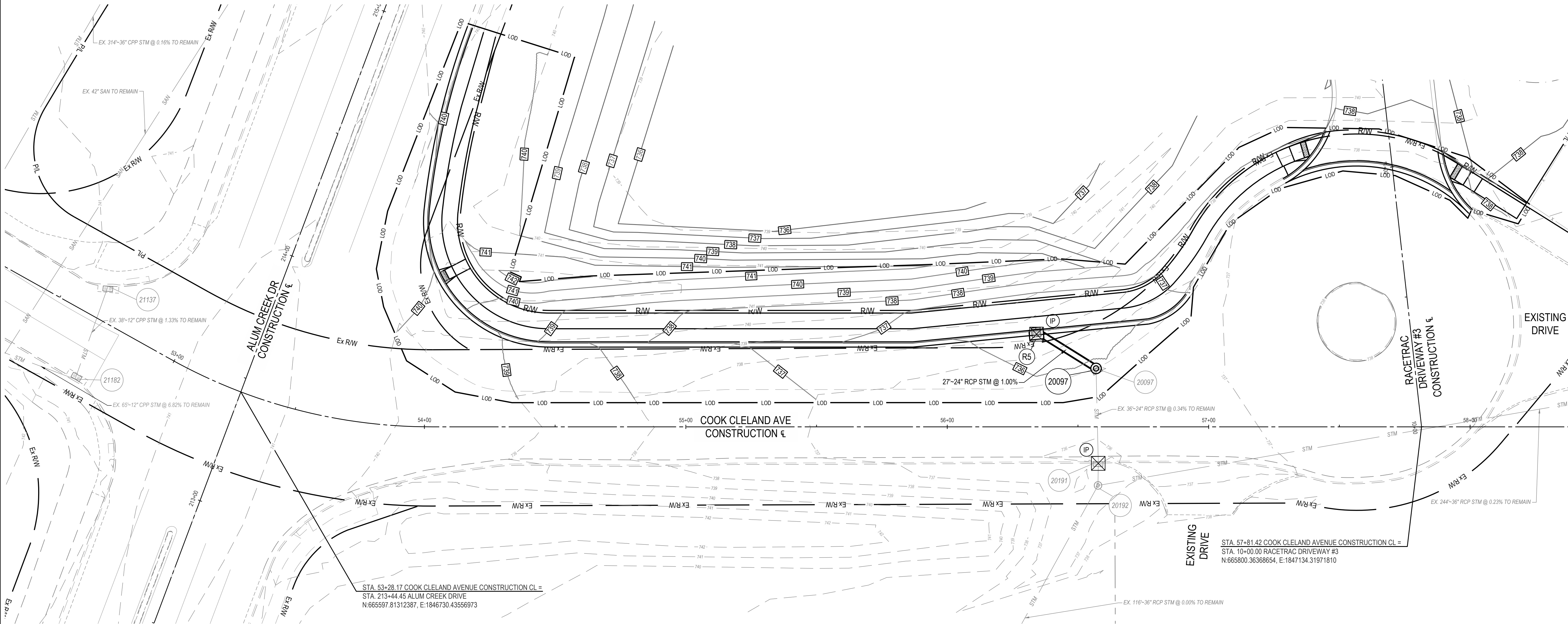
STORM SEWER STRUCTURE SCHEDULE						
PROPOSED				AS-BUILT		
NO.	STRUCTURE	GRATE	NORTHING	EASTING	GRATE	NORTHING
R1	PROP. CATCH BASIN PER ODOT STD. DWG. CB-2-3	737.37	666777.45	1846931.41	733.84 (127) E	STA. 196+29.22, 50.90RT.
R2	PROP. 60" MANHOLE PER ODOT STD. DWG. MH-3	738.69	666771.05	1847061.01	733.24 (127) W 732.02 (151) E 731.73 (307) S 731.37 (247) N	STA. 197+58.96, 48.86RT.
R3	PROP. CATCH BASIN PER ODOT STD. DWG. CB-2-3	737.70	666783.83	1847130.10	732.50 (151) E 732.50 (151) W	STA. 198+28.37, 51.56RT.
R4	PROP. 48" MANHOLE PER ODOT STD. DWG. MH-3	738.89	666755.25	1847159.91	732.88 (151) W	STA. 198+58.68, 58.18RT.

SWPPP NOTES:

1. CONTRACTOR IS RESPONSIBLE TO MAINTAIN POST-CONSTRUCTION PERMANENT EROSION CONTROL MEASURES UNTIL ADEQUATE RE-VEGETATION AND STABILIZATION ARE ACHIEVED.
2. CONTRACTOR TO PLACE ADDITIONAL SILT FENCE (PER ODOT STD. SPEC) AS NEEDED IN THE FIELD TO RETAIN ALL SOILS ON THE DISTURBED LAND AND PREVENT RUNOFF INTO THE SURROUNDING STORM WATER SYSTEM.
3. CONTRACTOR TO PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH THE LATEST VERSION OF THE ODOT STANDARDS AND SPECIFICATIONS.

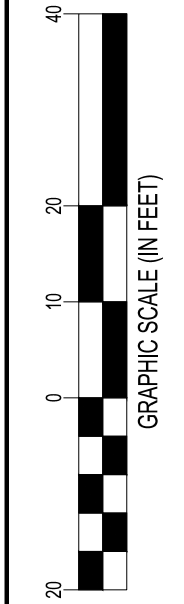
LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- SILT FENCE
- LIMITS OF DISTURBANCE
- INLET PROTECTION



EXISTING STORM SEWER STRUCTURE SCHEDULE					
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	EASTING
20097	EX. CURB INLET TO BE REMOVED AND REPLACED WITH PROP. MANHOLE PER CITY OF COLUMBUS STD. DWG. AA-S102	735.79	730.99 (24") SE	STA. 56+56.91, 22.33LT.	1847014.12
20191	EX. STORM CURB INLET TO REMAIN	735.62	730.87 (24") NW 730.87 (24") SE	STA. 56+57.76, 13.24RT.	1847031.74
20192	EX. STORM MANHOLE TO REMAIN	736.42	730.75 (24") NW 729.19 (24") NE 729.13 (36") S	STA. 56+57.67, 22.42RT.	1847036.02
21137	EX. STORM CURB INLET TO REMAIN	740.36	736.20 (12") S	STA. 52+64.01, 12.72LT.	1846666.54
21182	EX. STORM CURB INLET TO REMAIN	740.18	735.70 (12") N 735.70 (12") W	STA. 52+70.32, 24.47RT.	1846672.30

STORM SEWER STRUCTURE SCHEDULE					
PROPOSED					AS-BUILT
NO.	STRUCTURE	GRATE	NORTHING	EASTING	INVERT
R5	PROP. CURB INLET PER CITY OF COLUMBUS STD. DWG. AA-S125A	736.67	665762.63	1846987.18	731.26 (24") E 733.67 (4") SW 733.67 (4") NE
20097	EX. CURB INLET TO BE REMOVED AND REPLACED WITH PROP. MANHOLE PER CITY OF COLUMBUS STD. DWG. AA-S102	736.04	665760.94	1847014.12	730.99 (24") W



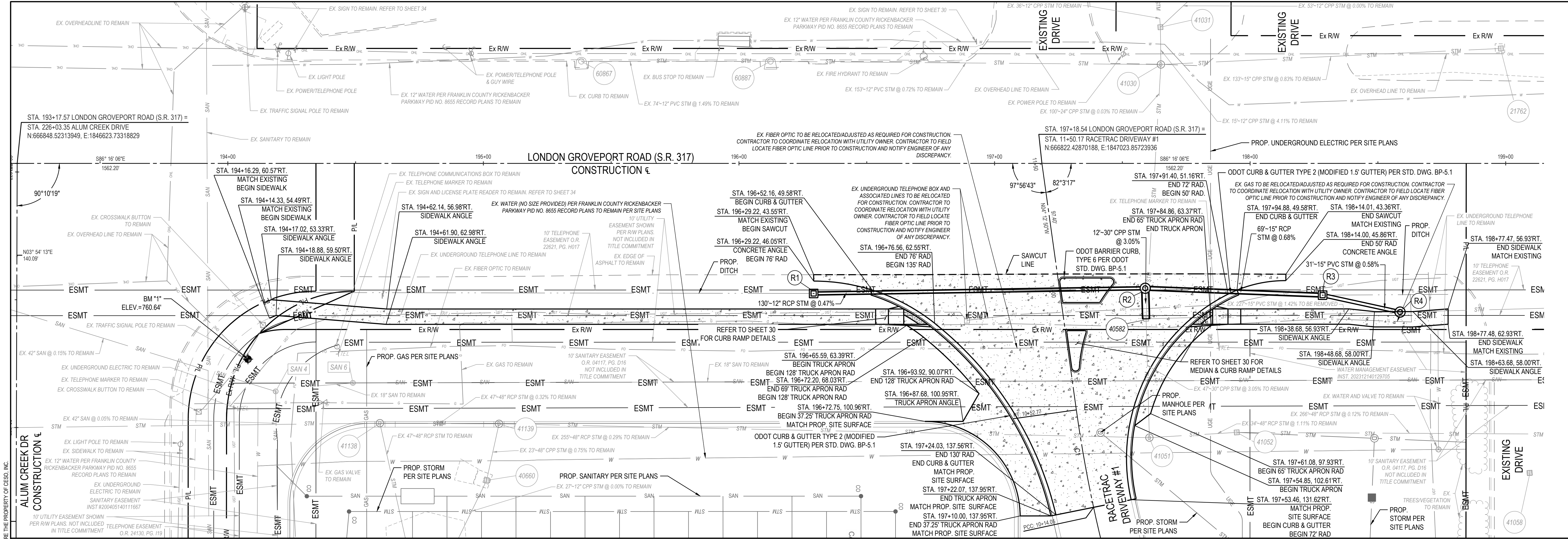
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CHECKED		

STORM WATER POLLUTION PREVENTION PLAN
COOK CLELAND AVE & ALUM CREEK DR

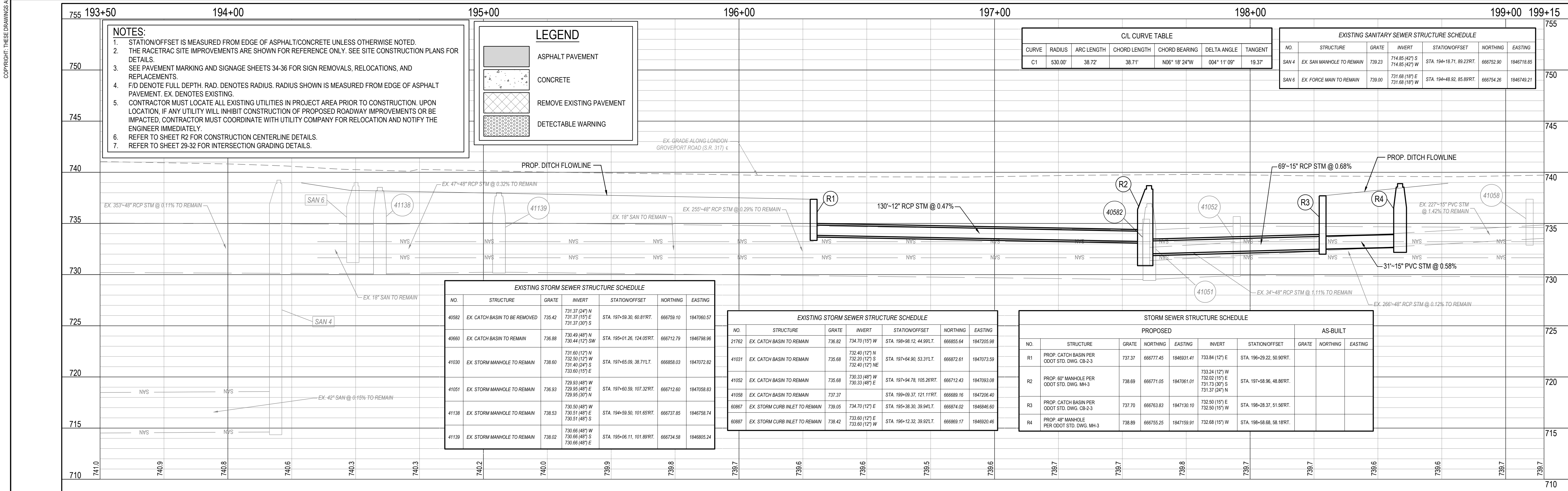
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COLUMBUS, OH

E-4118

16
36



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LONDON GROVEPORT ROAD (S.R. 317) PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.

PLAN & PROFILE - STA. 193+50 TO STA. 199+15
LONDON GROVEPORT ROAD (S.R. 317)

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COLUMBUS, OH

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17
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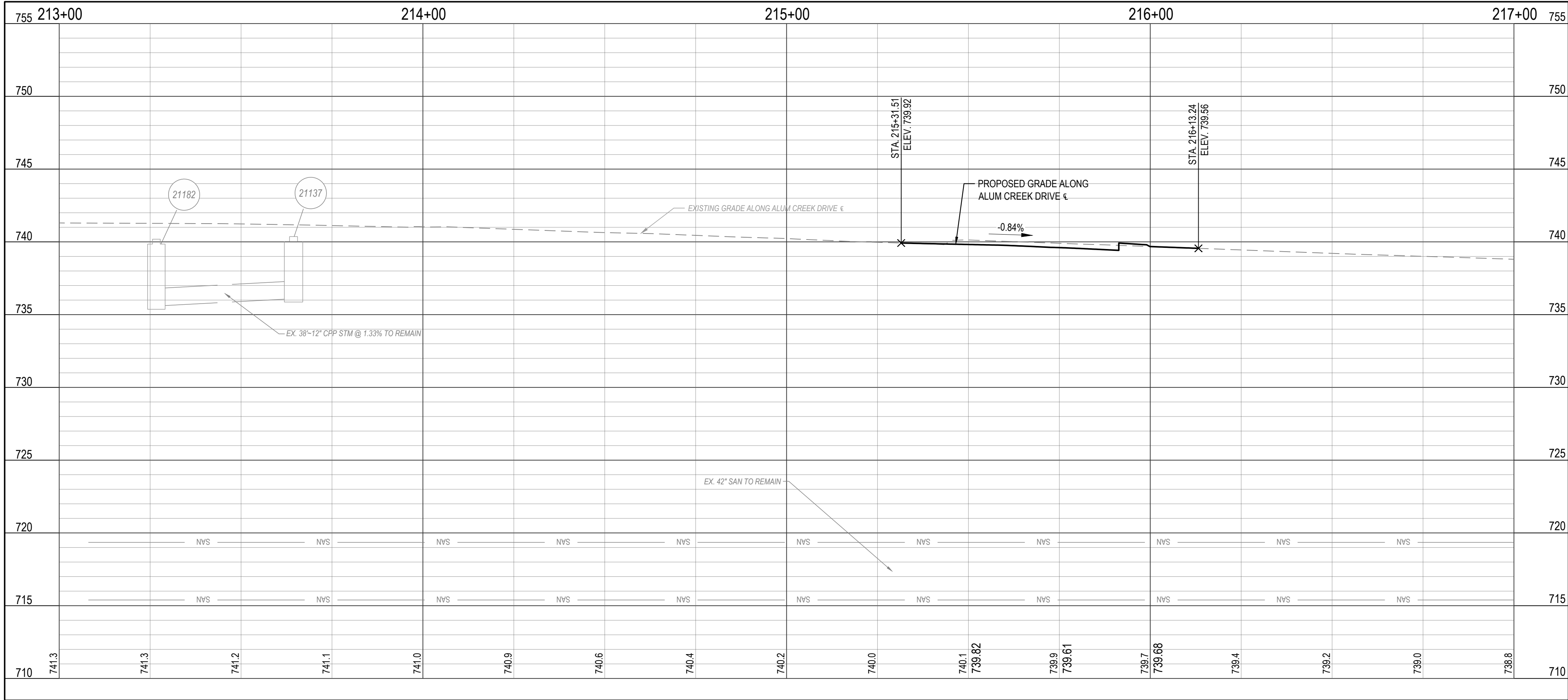
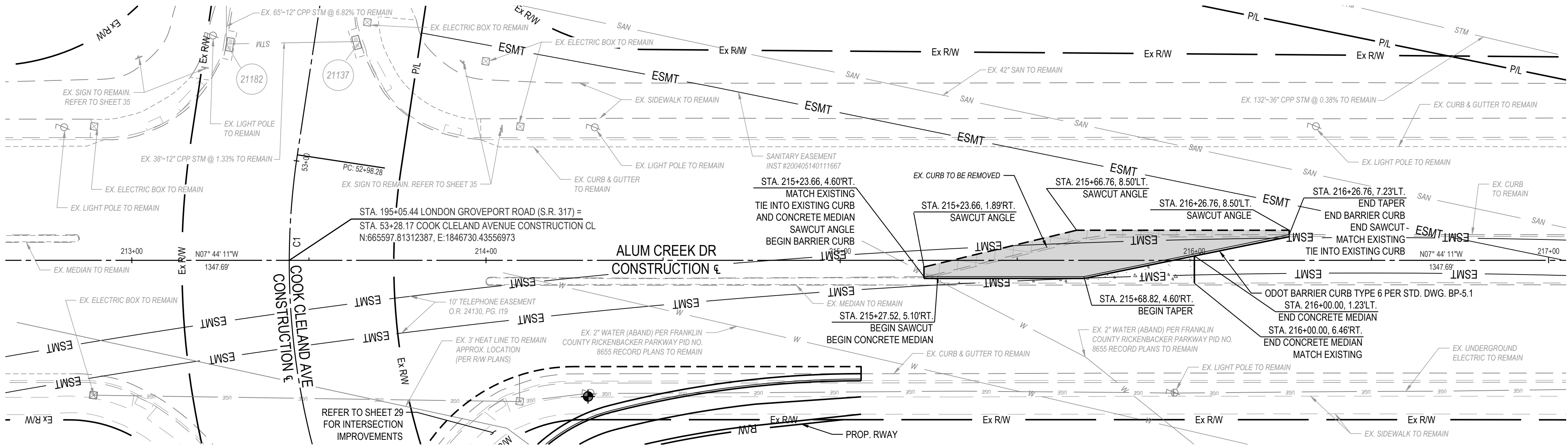
- NOTES:
1. STATION/OFFSET IS MEASURED FROM EDGE OF ASPHALT/CONCRETE UNLESS OTHERWISE NOTED.
 2. THE RACETRAC SITE IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE SITE CONSTRUCTION PLANS FOR DETAILS.
 3. SEE PAVEMENT MARKING AND SIGNAGE SHEETS 34-36 FOR SIGN REMOVALS, RELOCATIONS, AND REPLACEMENTS.
 4. F/D DENOTE FULL DEPTH. RAD. DENOTES RADIUS. RADIUS SHOWN IS MEASURED FROM EDGE OF ASPHALT PAVEMENT. EX. DENOTES EXISTING.
 5. CONTRACTOR MUST LOCATE ALL EXISTING UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION. UPON LOCATION, IF ANY UTILITY WILL INHIBIT CONSTRUCTION OF PROPOSED ROADWAY IMPROVEMENTS OR BE IMPACTED, CONTRACTOR MUST COORDINATE WITH UTILITY COMPANY FOR RELOCATION AND NOTIFY THE ENGINEER IMMEDIATELY.
 6. REFER TO SHEET R2 FOR CONSTRUCTION CENTERLINE DETAILS.
 7. REFER TO SHEET 29-32 FOR INTERSECTION GRADING DETAILS.

LEGEND

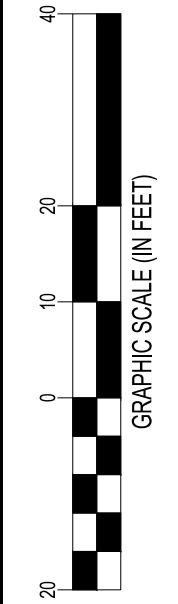
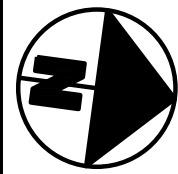
- ASPHALT PAVEMENT
- CONCRETE
- REMOVE EXISTING PAVEMENT
- DETECTABLE WARNING

C/L CURVE TABLE						
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	204.70'	105.00'	103.85'	N76° 09' 09"E	029° 23' 24"	53.68'

EXISTING STORM SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
21137	EX. STORM CURB INLET TO REMAIN	740.36	736.20 (12') S	STA. 52+64.01, 12.72LT.	665609.30	184666.54
21182	EX. STORM CURB INLET TO REMAIN	740.18	735.70 (12') N 735.70 (12') W	STA. 52+70.32, 24.47RT.	665672.02	1846672.30



ALUM CREEK DRIVE PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.

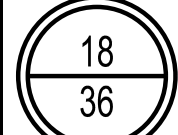


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PLAN & PROFILE - STA. 213+00 TO STA. 217+00
ALUM CREEK DRIVE

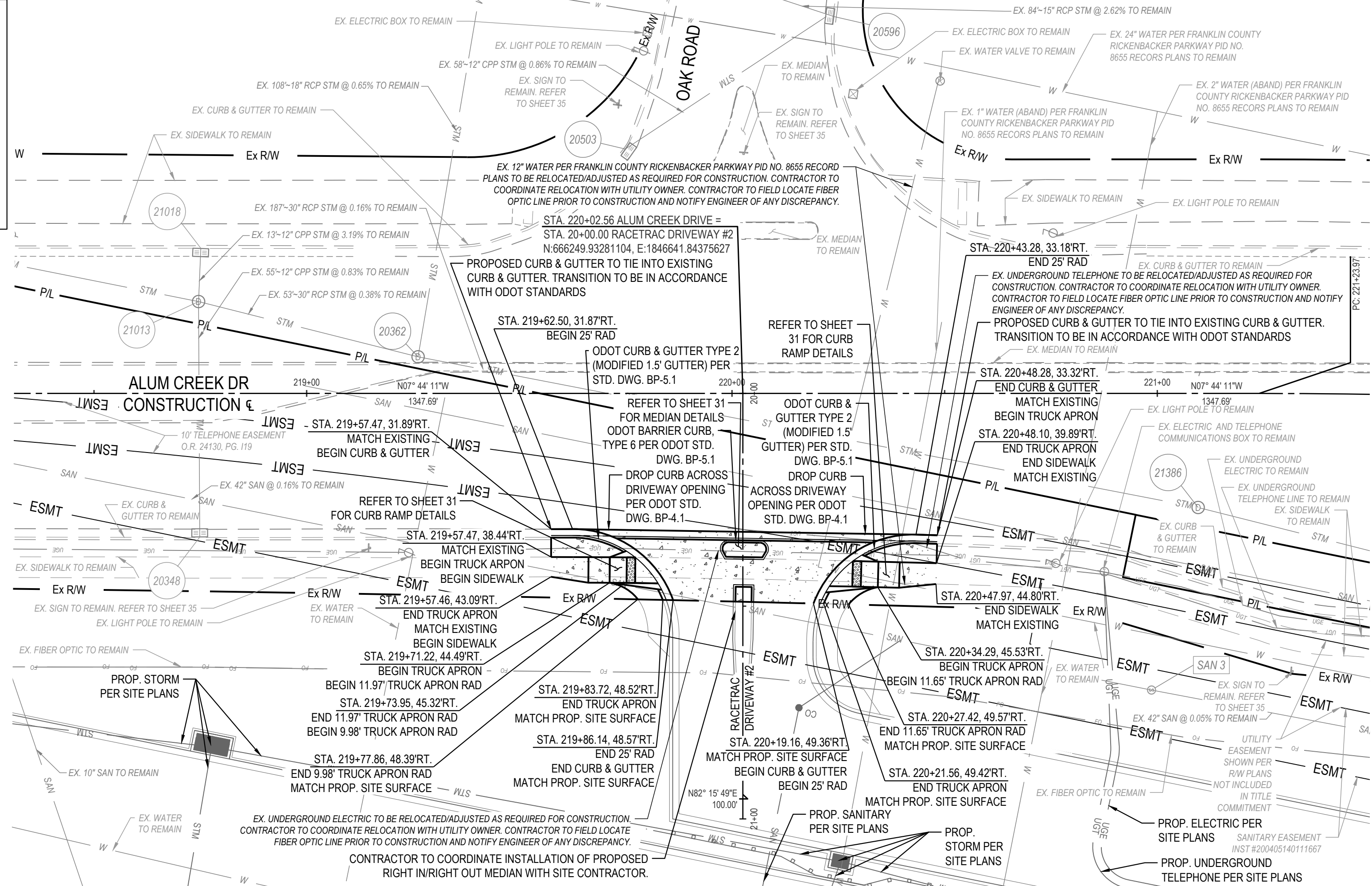
RACETRAC
COLUMBUS, OH

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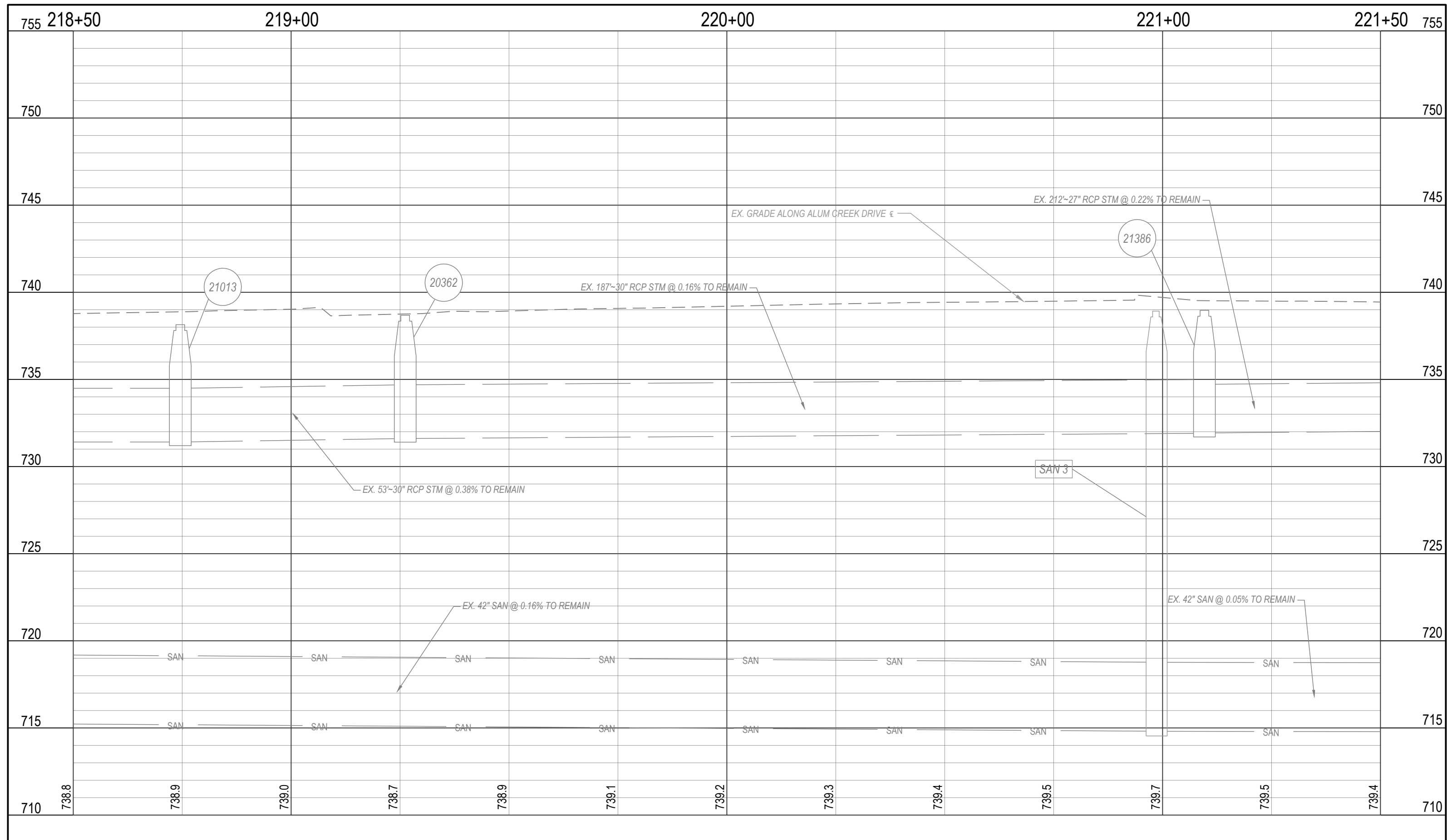
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LEGEND	
	ASPHALT PAVEMENT
	CONCRETE
	REMOVE EXISTING PAVEMENT
	DETECTABLE WARNING

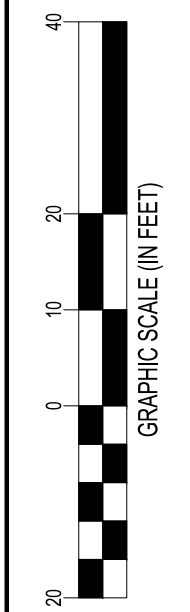
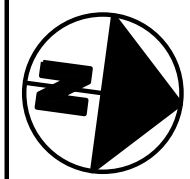


EXISTING STORM SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
20348	EX. STORM CURB INLET TO REMAIN	736.06	733.46 (12') W	STA. 218+74.86, 33.76RT.	666127.94	1846692.49
20362	EX. STORM MAINHOLE TO REMAIN	738.68	731.90 (18') W 731.90 (30') N 731.90 (30') S	STA. 219+26.19, 8.62LT.	666173.10	1846643.59
20503	EX. STORM CURB INLET TO REMAIN	737.89	734.30 (12') NW	STA. 219+74.93, 57.45LT.	666214.82	1846588.64
20596	EX. STORM CURB INLET TO REMAIN	738.13	734.80 (15') S 734.80 (12') SE	STA. 220+23.98, 88.57LT.	666259.25	1846551.19
21013	EX. STORM MAINHOLE TO REMAIN	738.14	733.00 (12') W 733.00 (12') E 731.70 (30') N 731.70 (30') S	STA. 218+74.57, 21.59LT.	666120.20	1846637.68
21018	EX. STORM CURB INLET TO REMAIN	737.68	733.40 (12') E	STA. 219+75.11, 34.12LT.	666119.05	1846625.20
21386	EX. STORM MAINHOLE TO REMAIN	738.96	732.20 (27') N 732.20 (30') S	STA. 221+09.60, 26.81RT.	666359.61	1846654.00

EXISTING SANITARY SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
SAN 3	EX. SAN MAINHOLE TO REMAIN	738.92	715.04 (42') S 715.04 (42') N	STA. 220+98.63, 69.71RT.	666354.52	1846697.98



ALUM CREEK DRIVE PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.



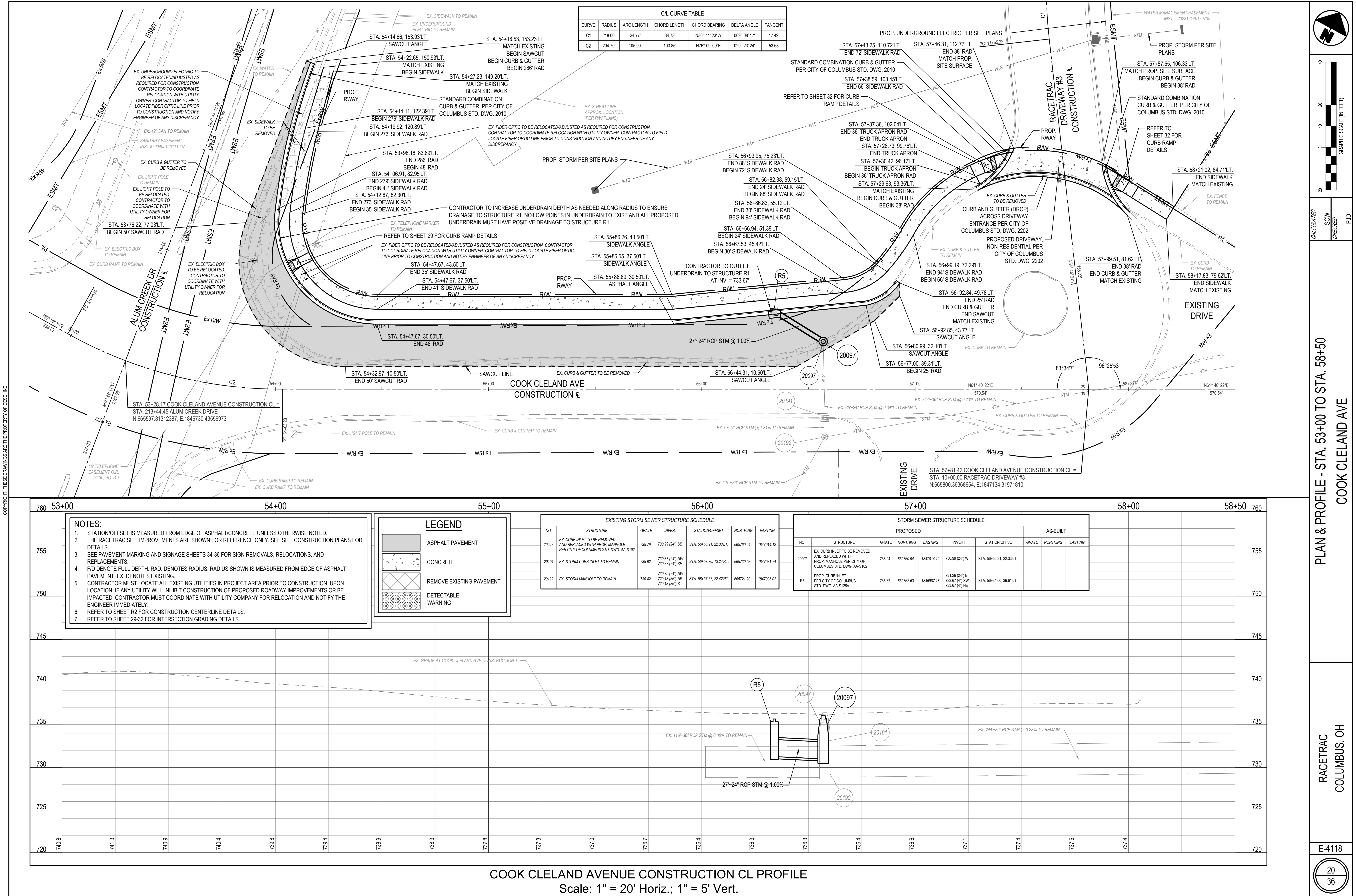
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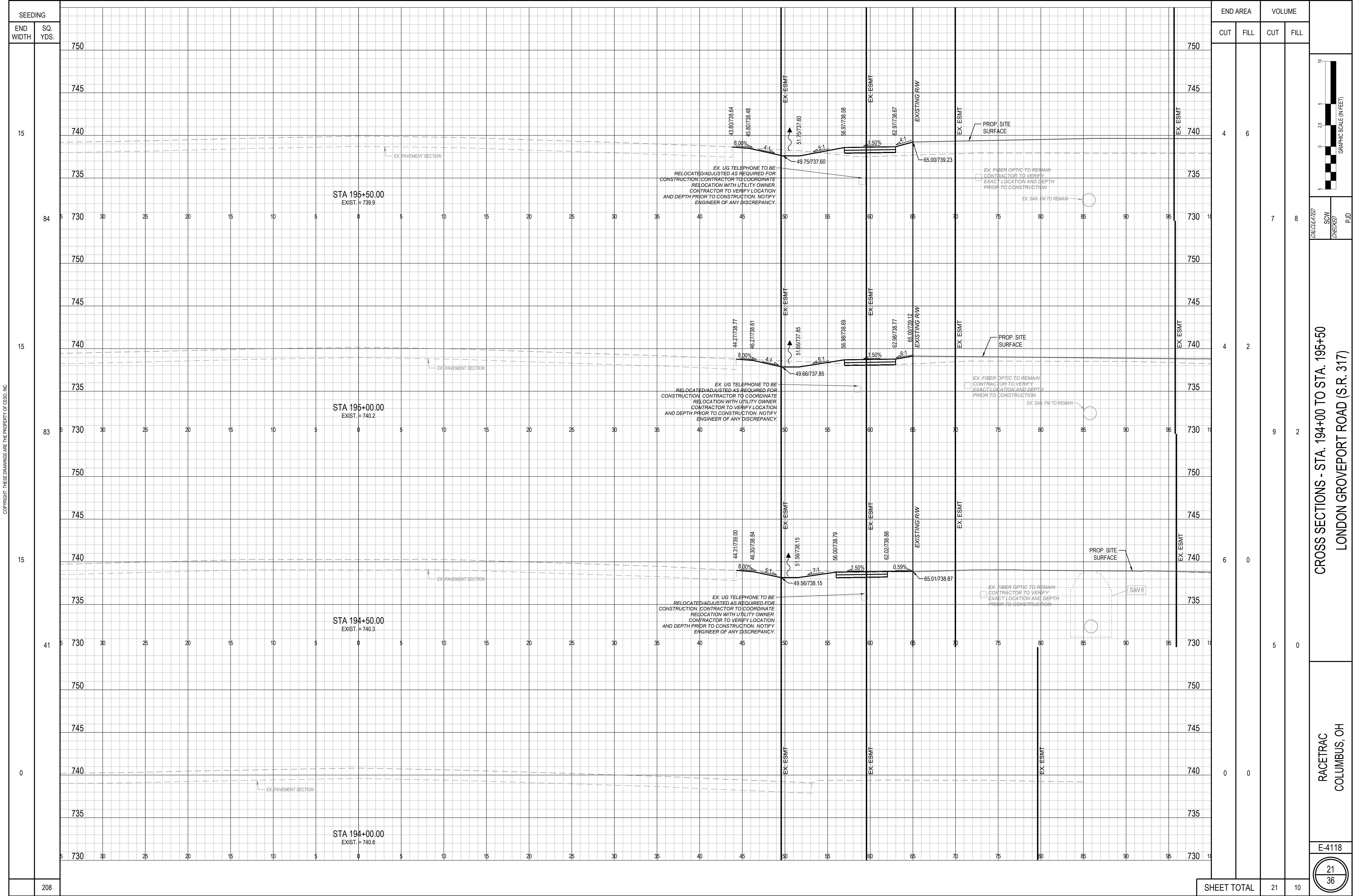
PLAN & PROFILE - STA. 218+50 TO STA. 221+50
ALUM CREEK DR

RACETRAC
COLUMBUS, OH

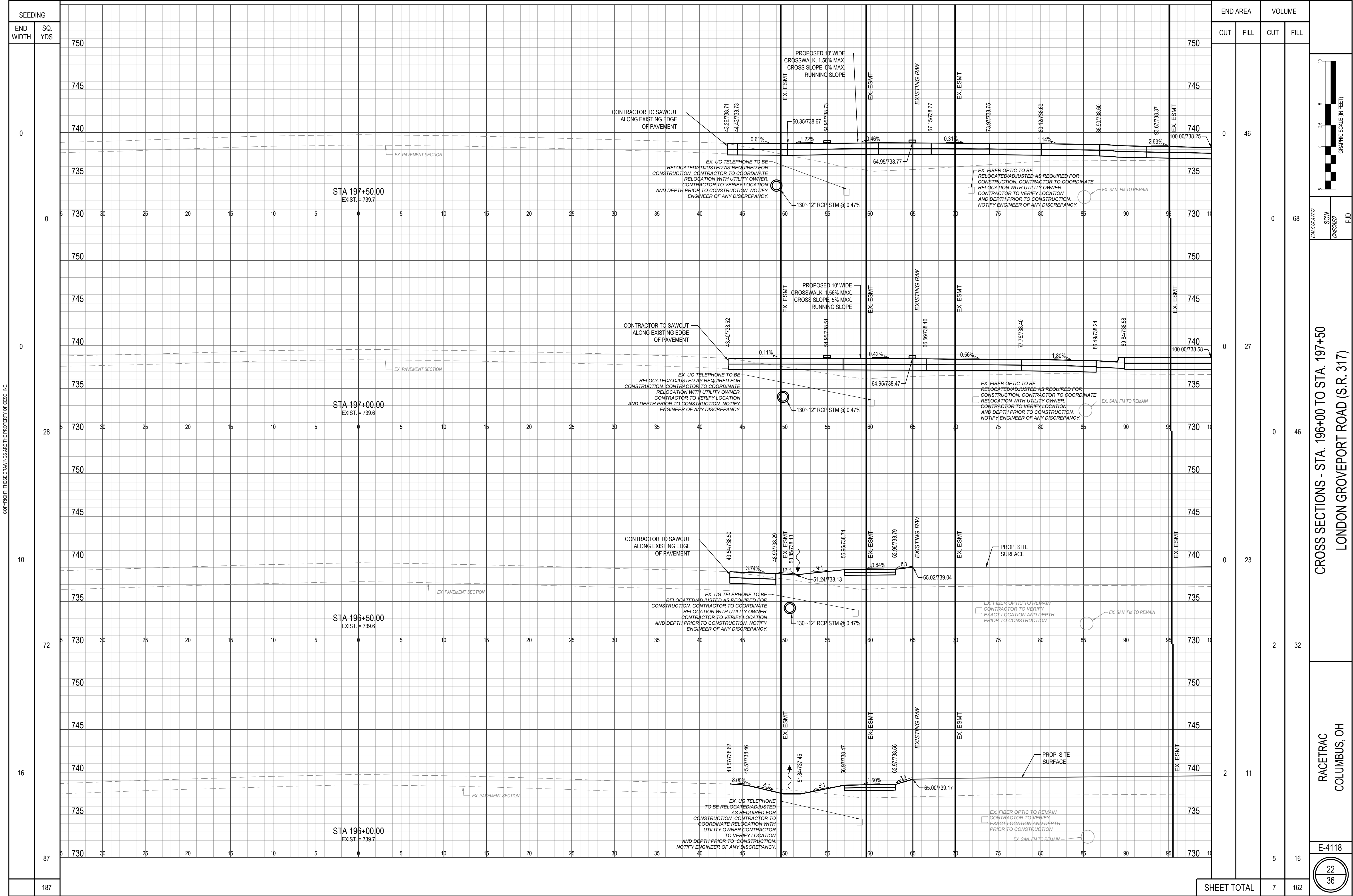
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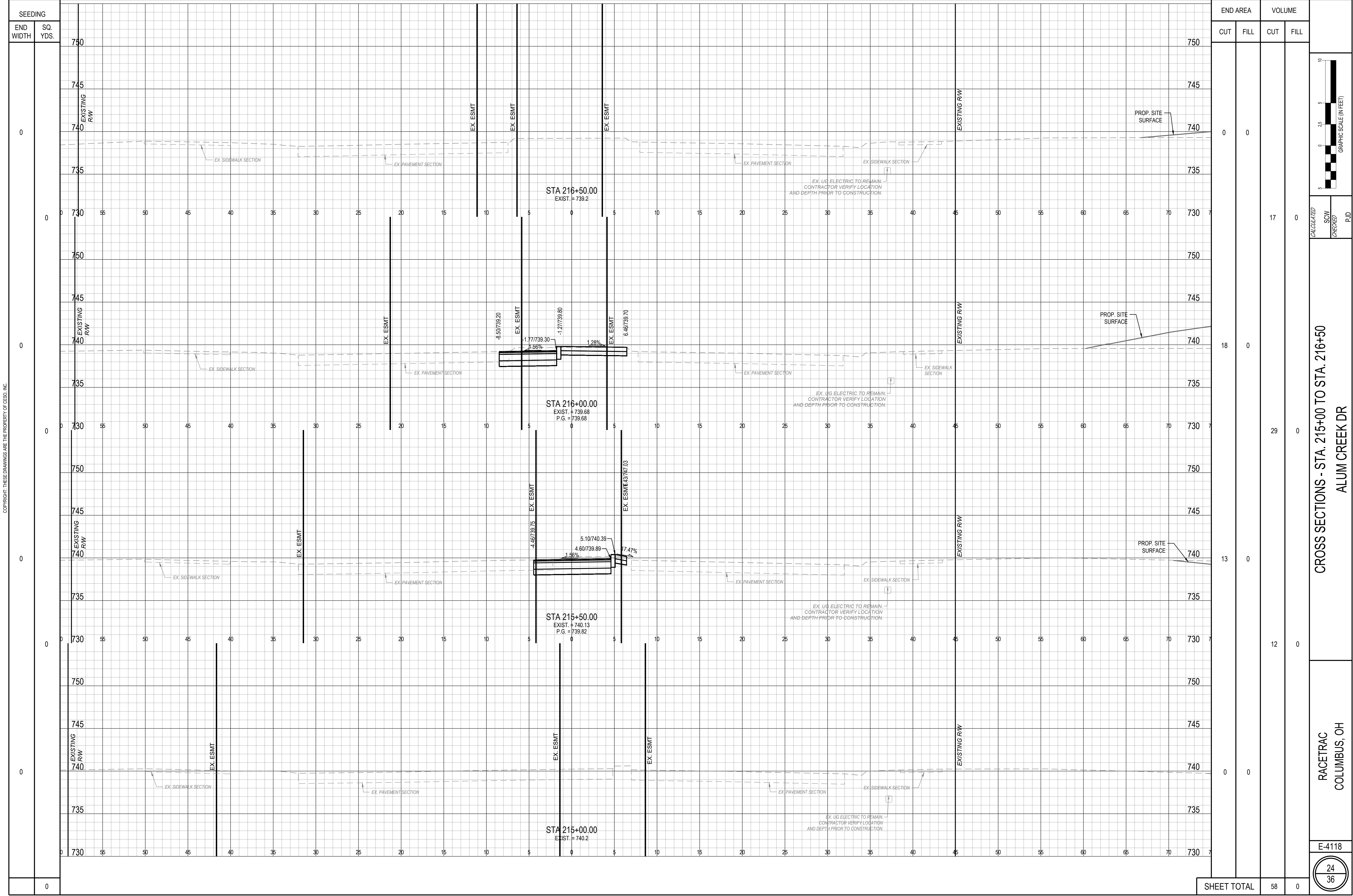
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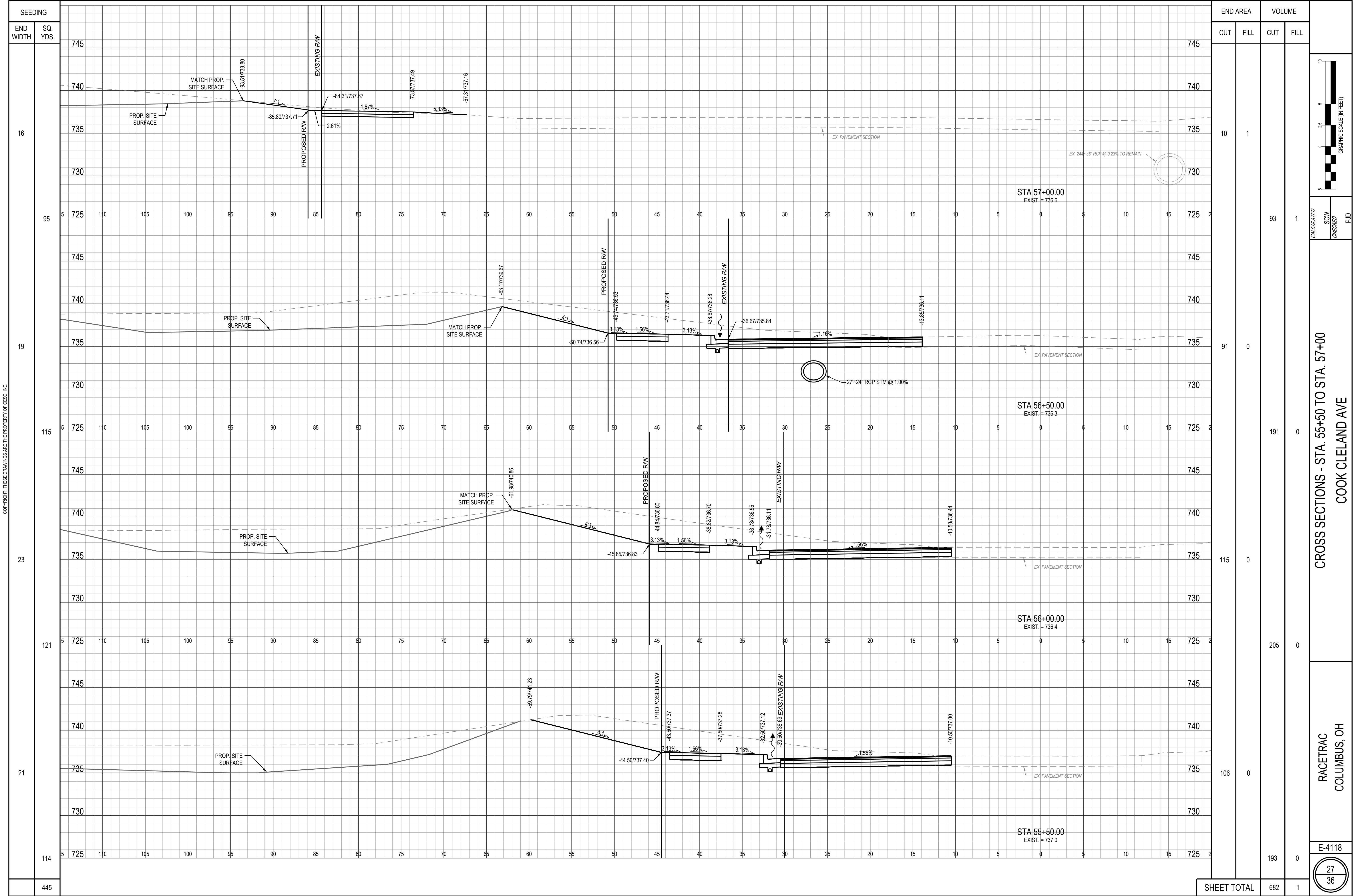


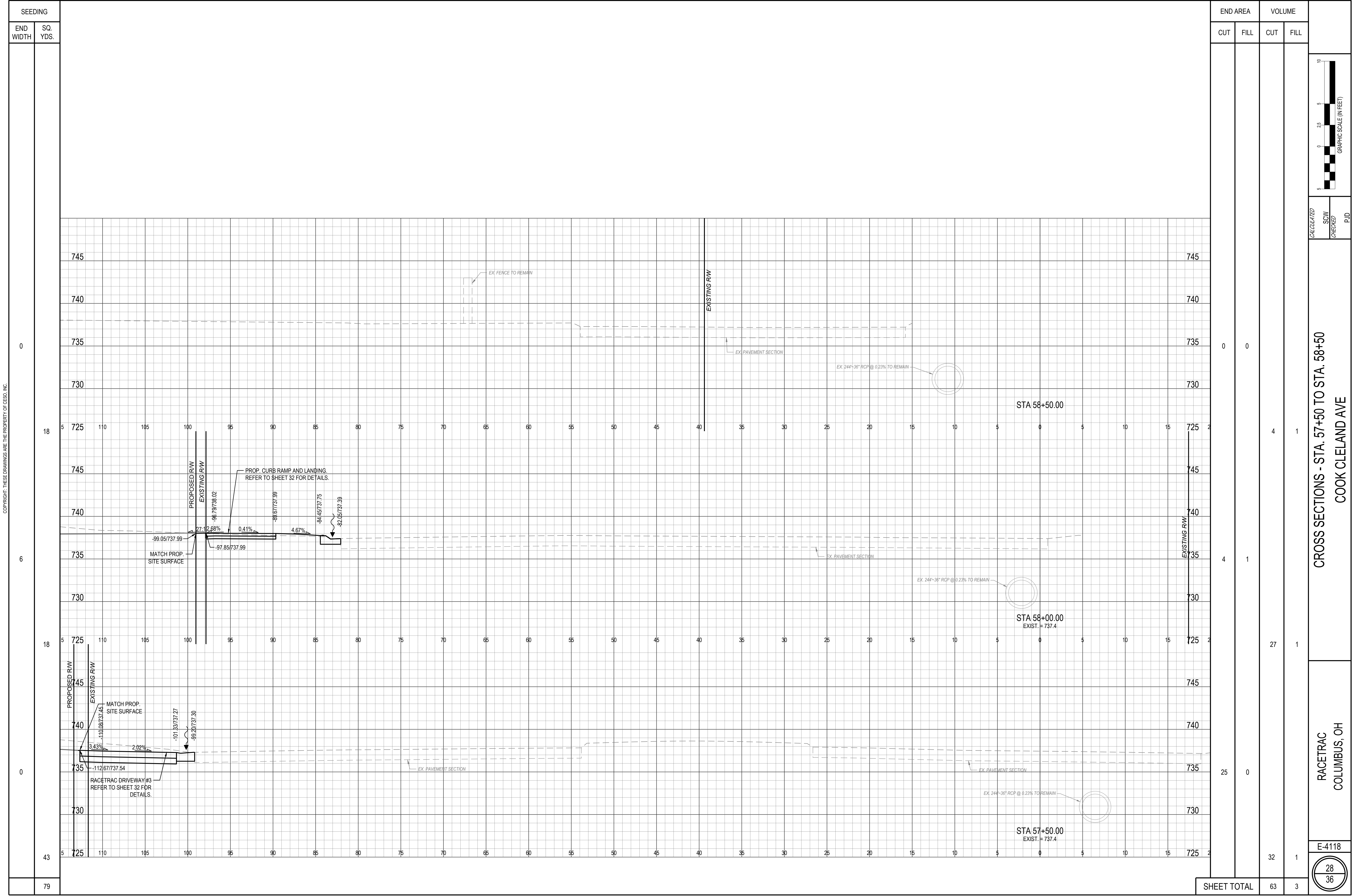
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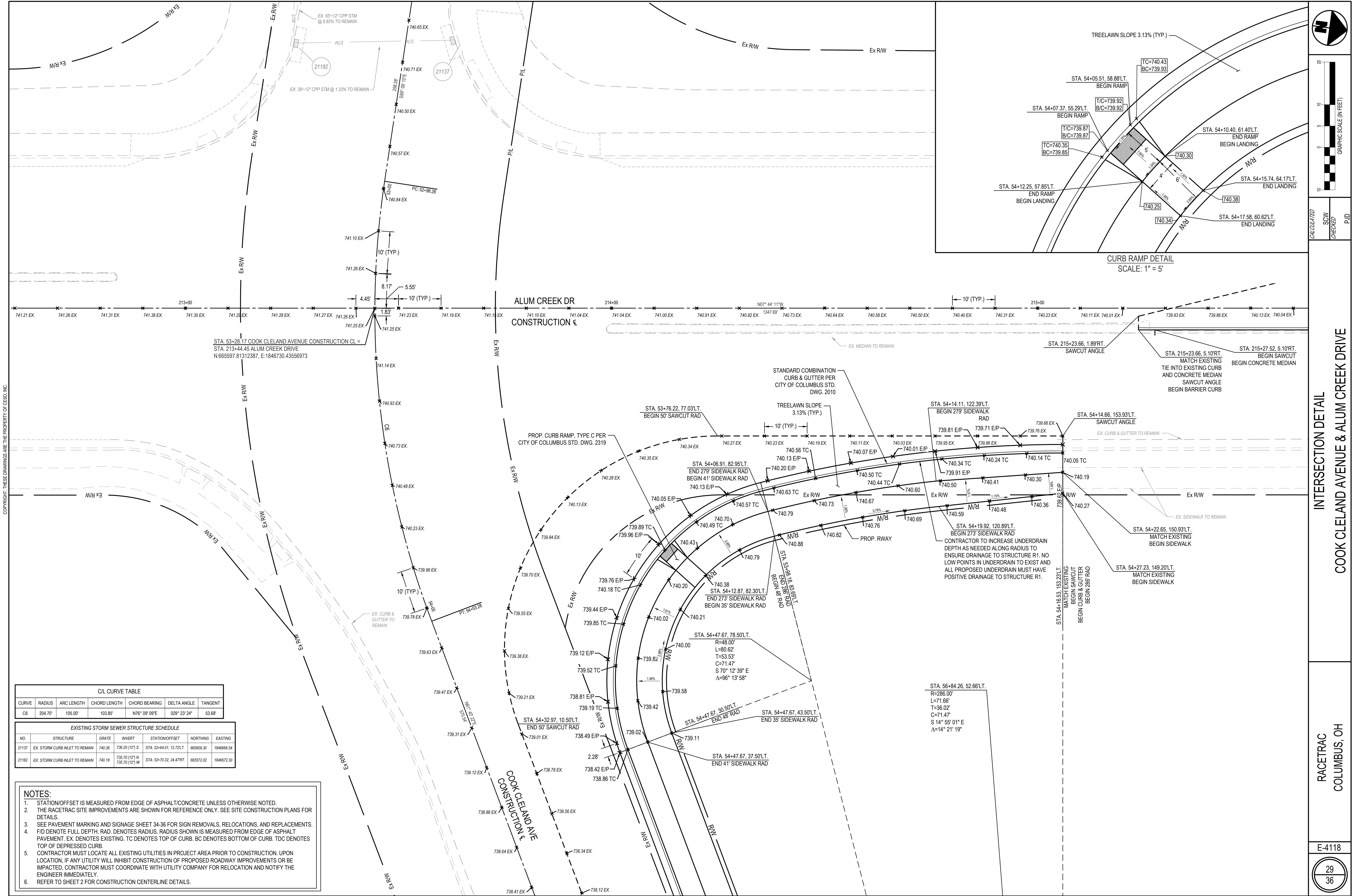




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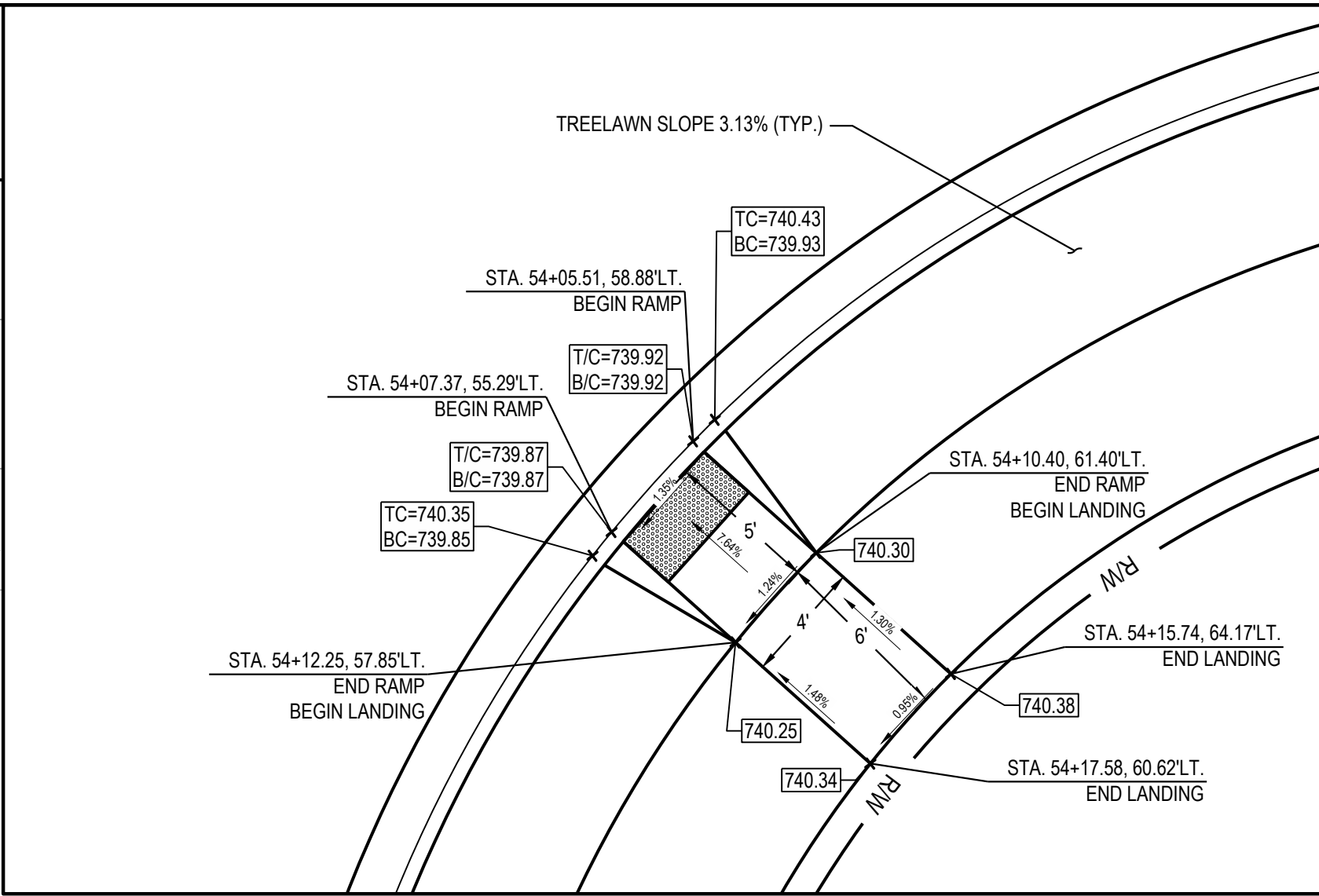




CIL CURVE TABLE						
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C6	204.70'	105.00'	103.85'	N76° 09' 09" E	029° 23' 24"	53.68'

EXISTING STORM SEWER STRUCTURE SCHEDULE						
NO.	STRUCTURE	GRATE	INVERT	STATION/OFFSET	NORTHING	EASTING
21137	EX. STORM CURB INLET TO REMAIN	740.36	736.20 (12") S	STA. 52+64.01, 12.72'L.T.	665609.30	1846666.54
21182	EX. STORM CURB INLET TO REMAIN	740.18	735.70 (12") N 735.70 (12") W	STA. 52+70.32, 24.47'RT.	665572.02	1846672.39

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 4. F/D DENOTE FULL DEPTH. RAD. DENOTES RADIUS. RADIUS SHOWN IS MEASURED FROM EDGE OF ASPHALT PAVEMENT. EX. DENOTES EXISTING. TC DENOTES TOP OF CURB. BC DENOTES BOTTOM OF CURB. TDC DENOTES TOP OF DEPRESSED CURB.
 5. CONTRACTOR MUST LOCATE ALL EXISTING UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION. UPON LOCATION, IF ANY UTILITY WILL INHIBIT CONSTRUCTION OF PROPOSED ROADWAY IMPROVEMENTS OR BE IMPACTED, CONTRACTOR MUST COORDINATE WITH UTILITY COMPANY FOR RELOCATION AND NOTIFY THE ENGINEER IMMEDIATELY.
 6. REFER TO SHEET 2 FOR CONSTRUCTION CENTERLINE DETAILS.



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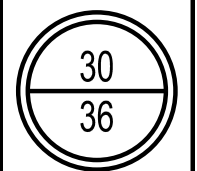
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INTERSECTION DETAIL

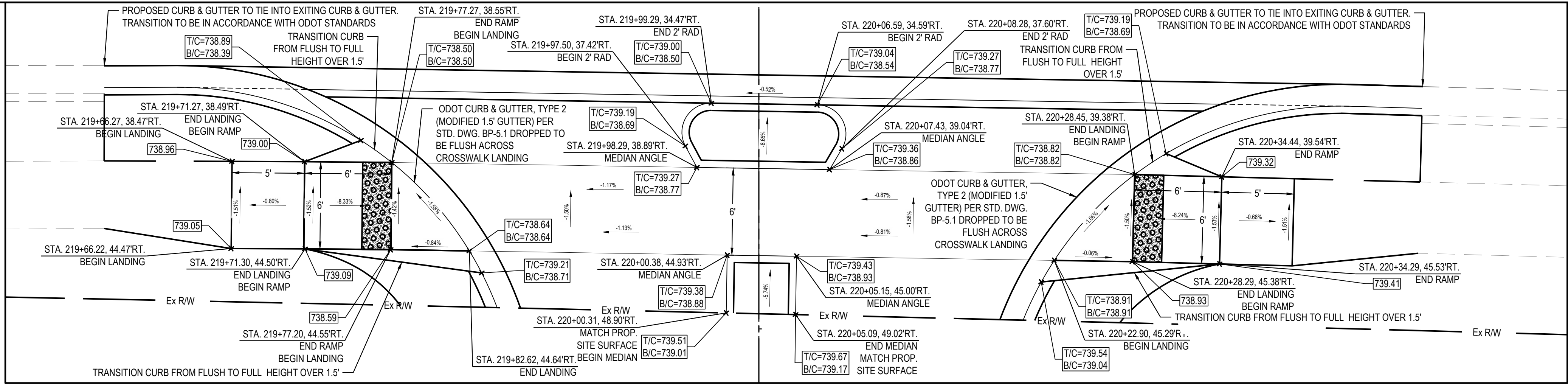
COOK CLELAND AVENUE & ALUM CREEK DRIVE

RACETRAC
COLUMBUS, OH

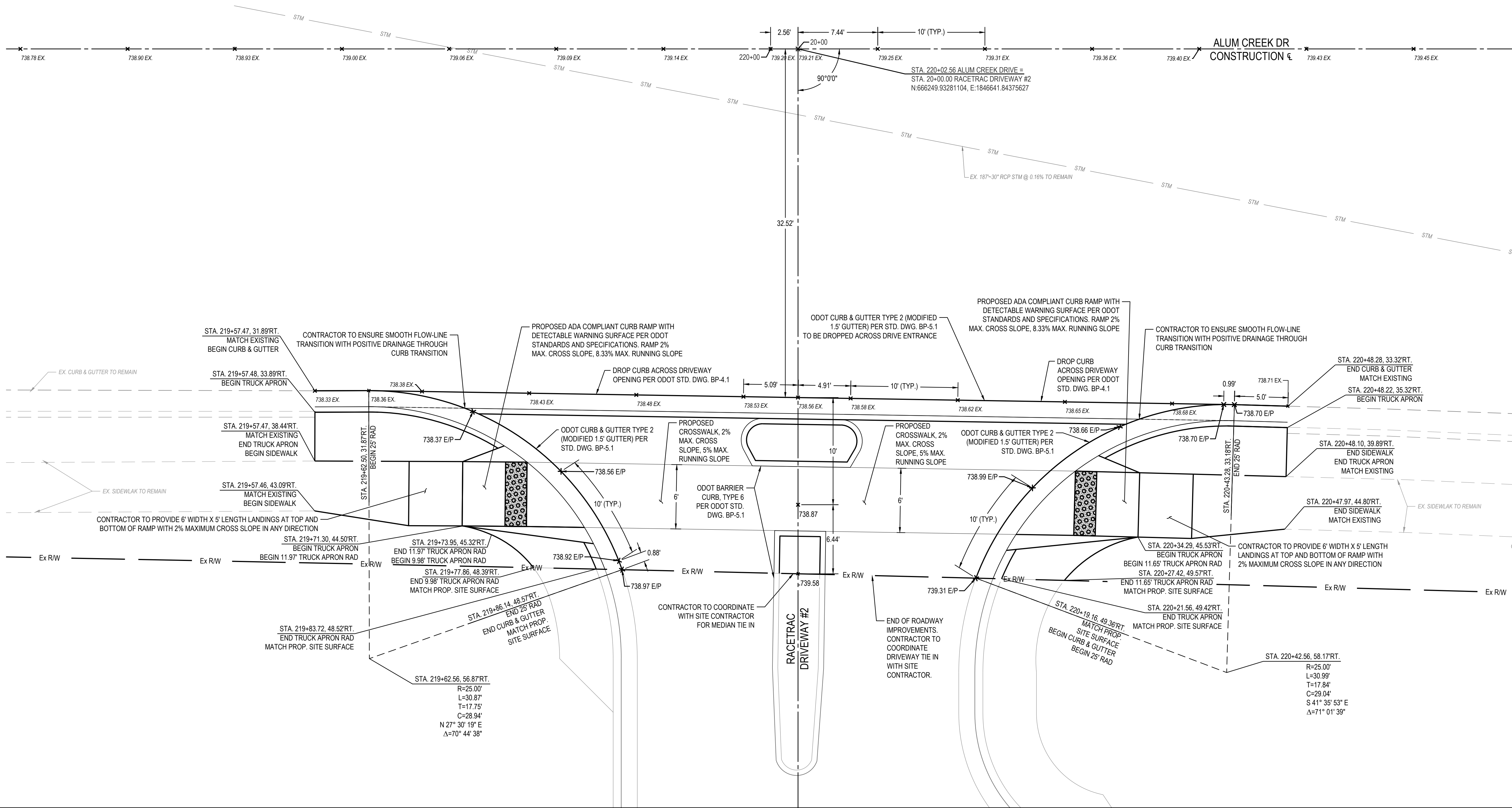
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CURB RAMP & MEDIAN DETAIL
SCALE: 1" = 5'

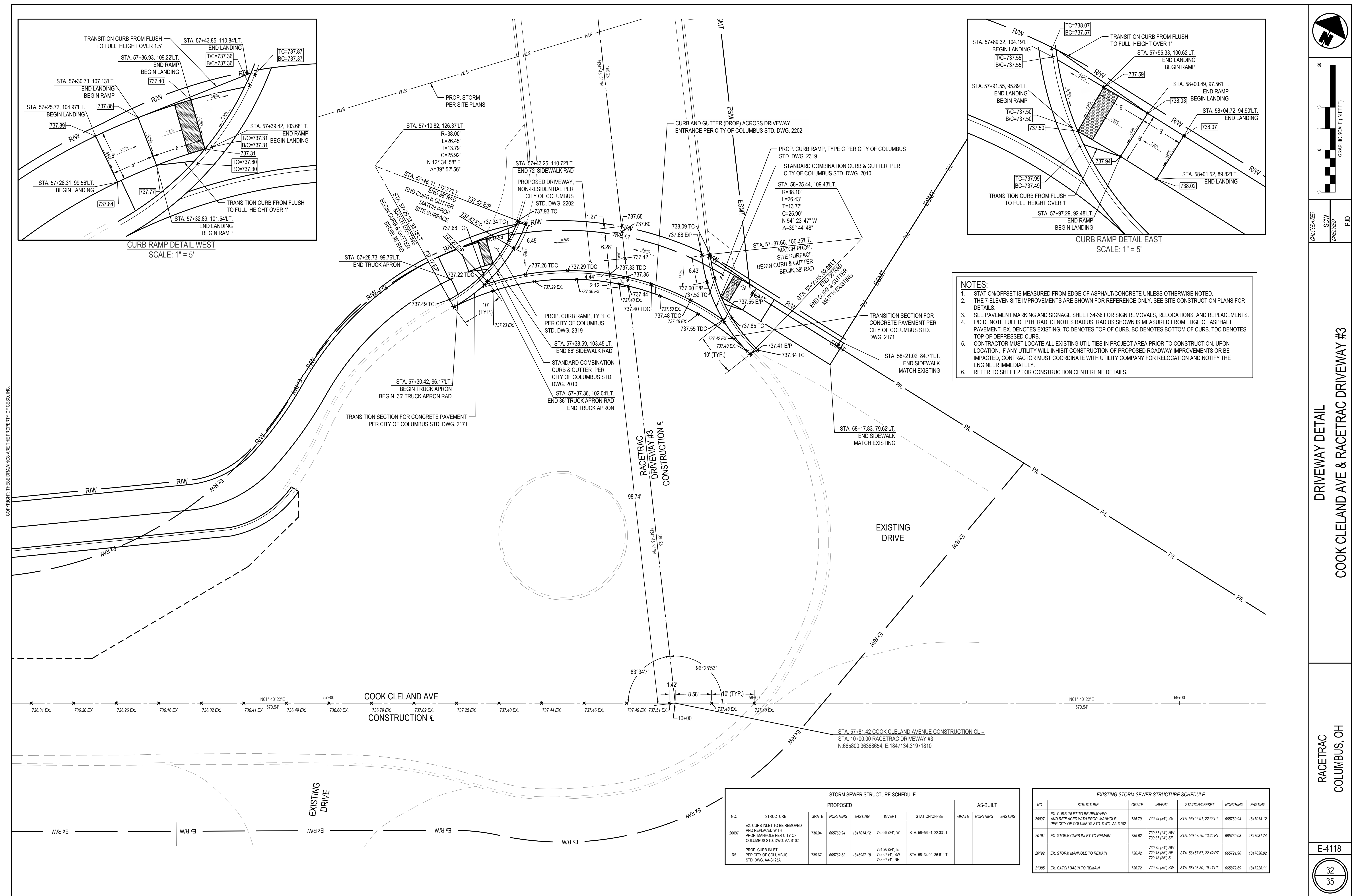


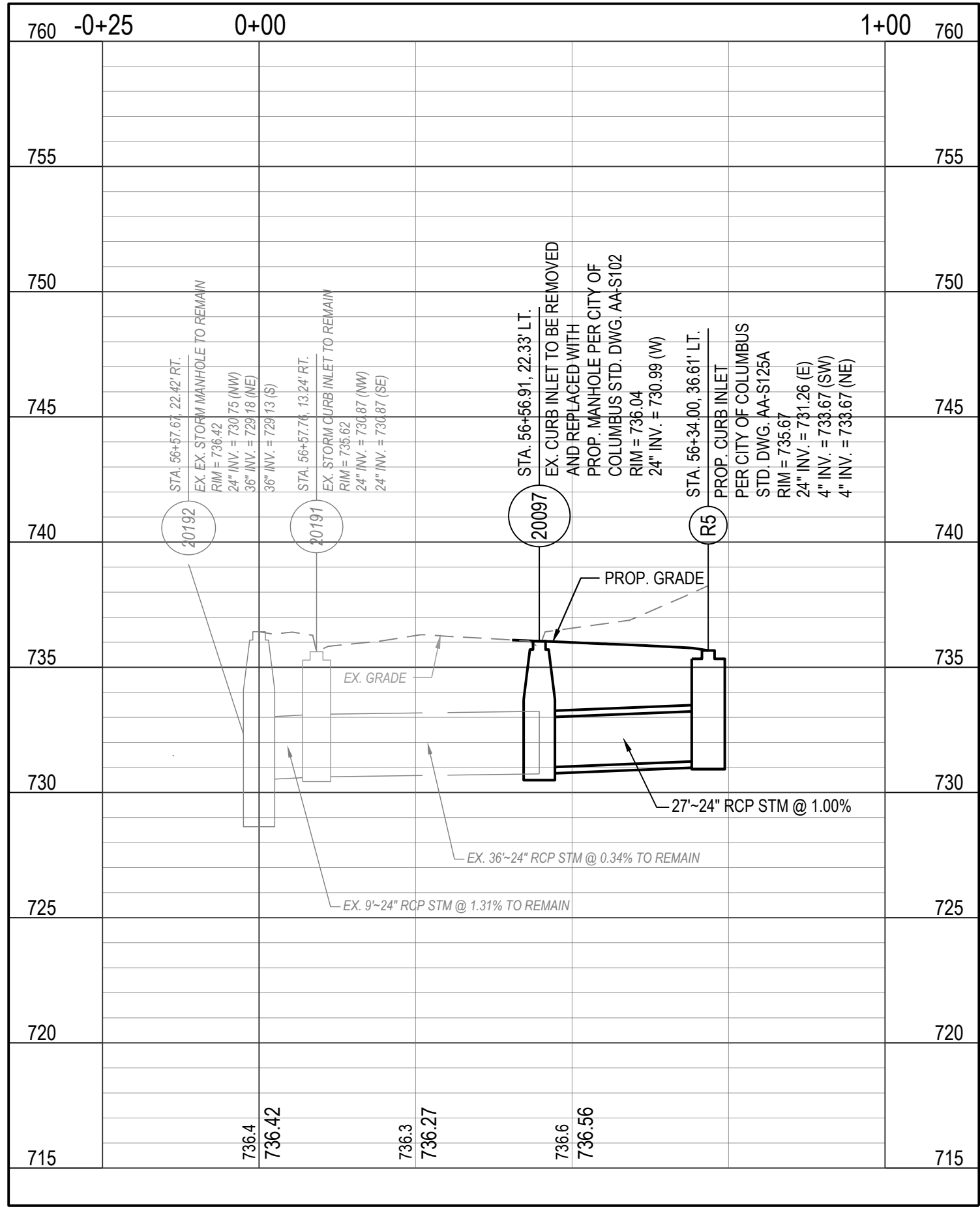
DRIVEWAY DETAIL
ALUM CREEK DR & RACETRAC DRIVEWAY #2

RACETRAC
COLUMBUS, OH

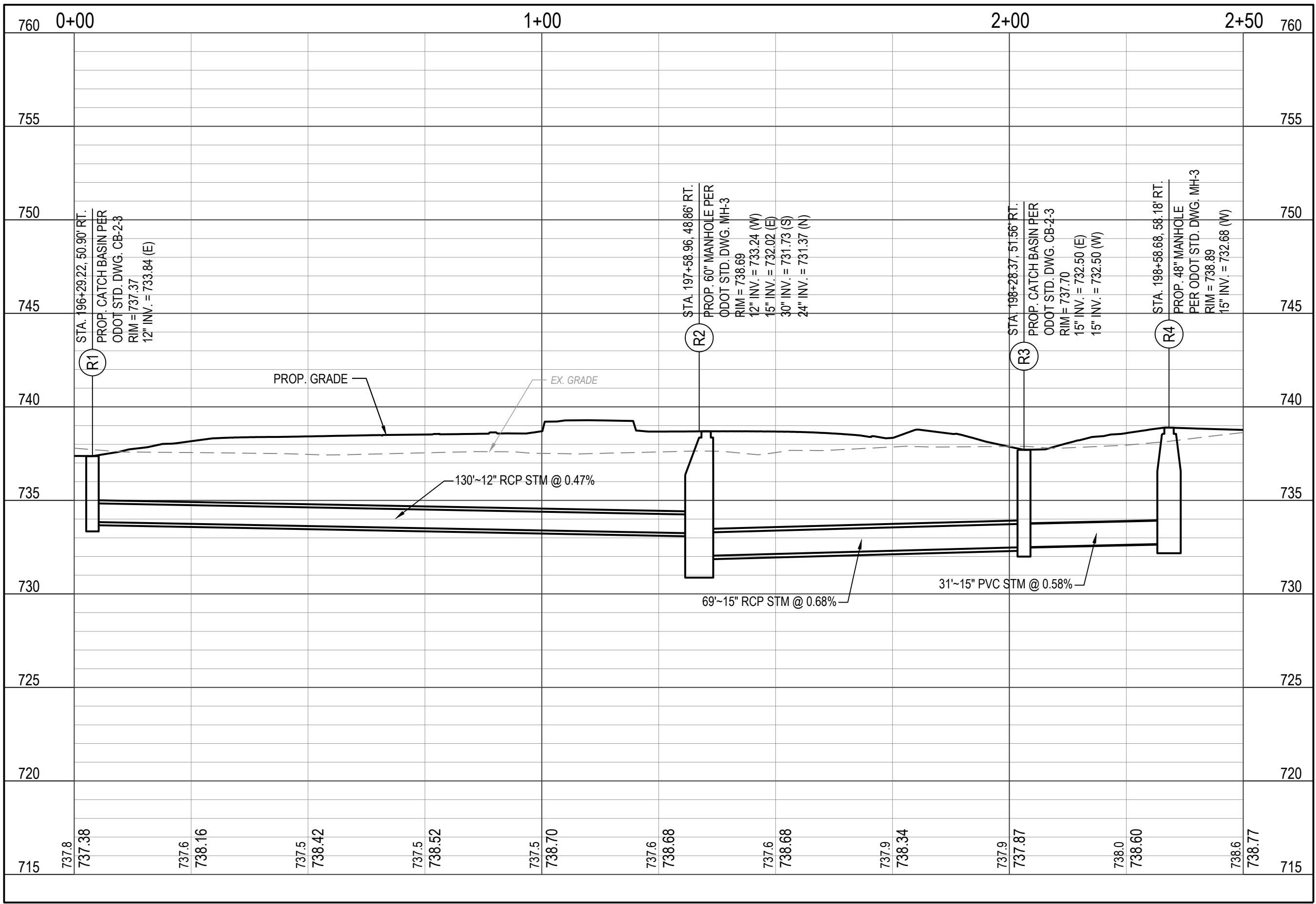
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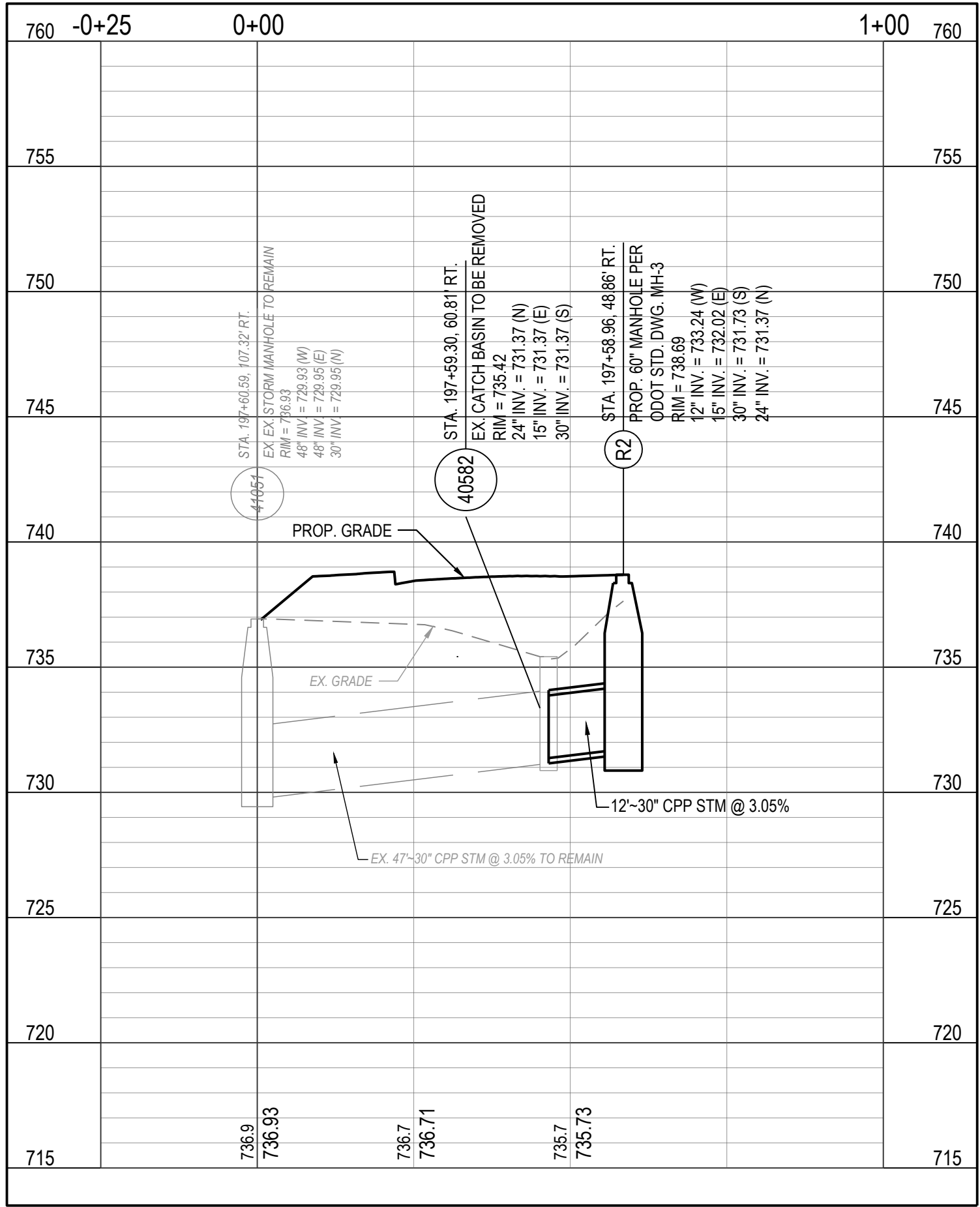




20192 - R1 STORM PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.

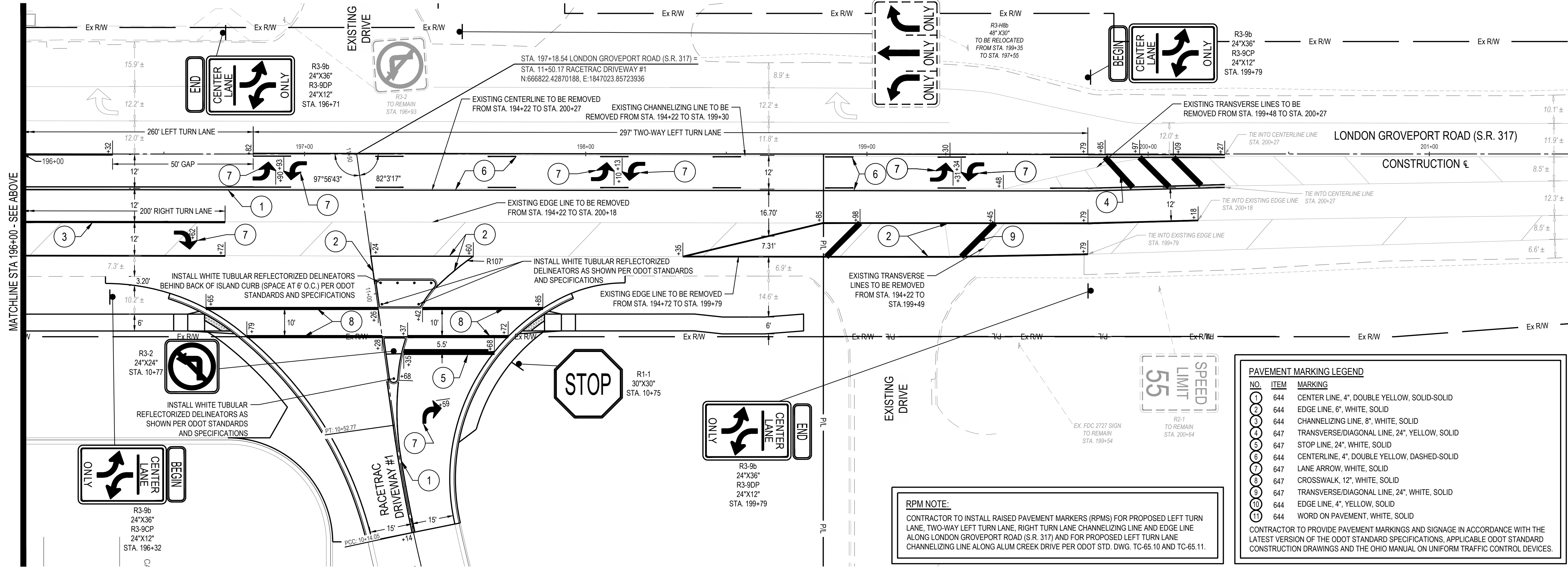
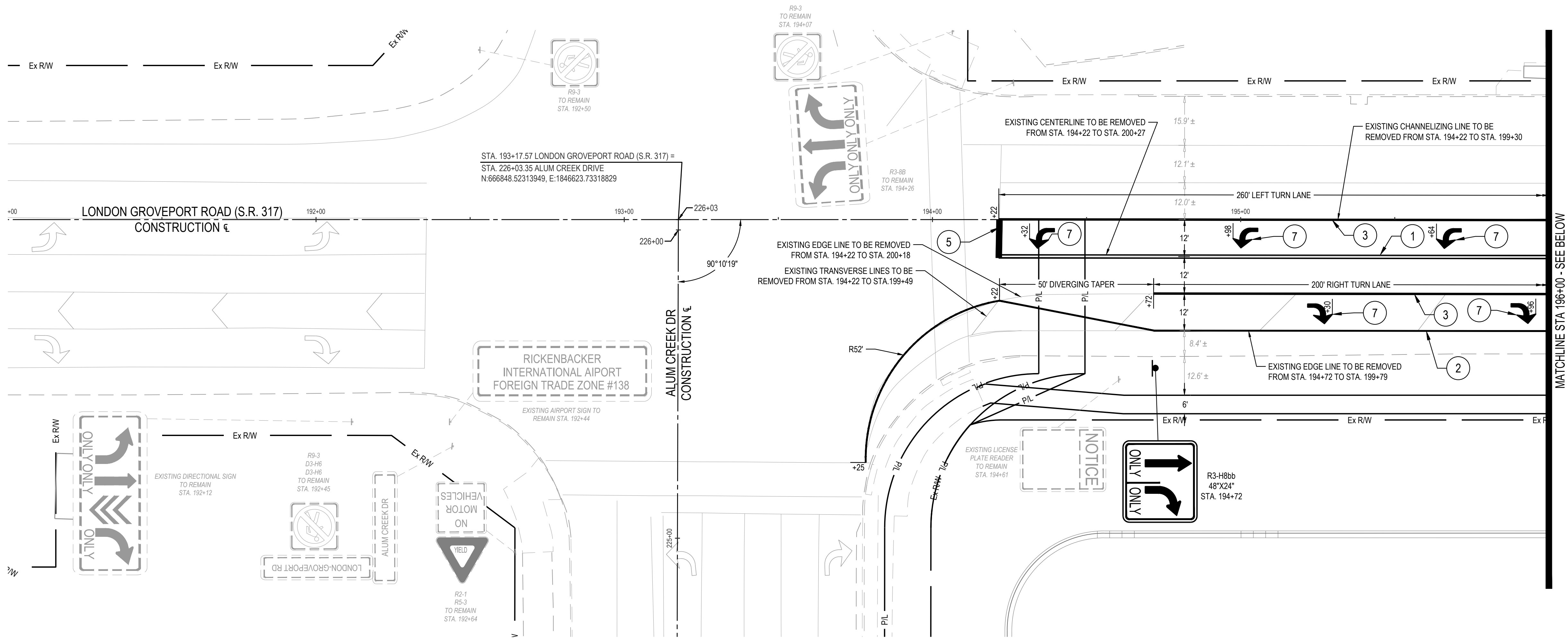


R1-R5 STORM PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.



41051 - R2 STORM PROFILE
Scale: 1" = 20' Horiz.; 1" = 5' Vert.

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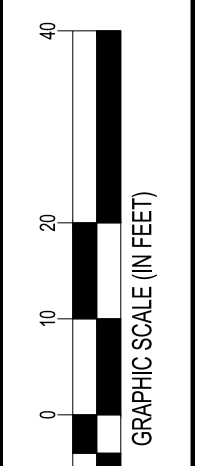
PAVEMENT MARKING LEGEND

NO.	ITEM	MARKING
1	644	CENTER LINE, 4", DOUBLE YELLOW, SOLID-SOLID
2	644	EDGE LINE, 6", WHITE, SOLID
3	644	CHANNELIZING LINE, 8", WHITE, SOLID
4	647	TRANSVERSE/DIAGONAL LINE, 24", YELLOW, SOLID
5	647	STOP LINE, 24", WHITE, SOLID
6	644	CENTERLINE, 4", DOUBLE YELLOW, DASHED-SOLID
7	647	LANE ARROW, WHITE, SOLID
8	647	CROSSWALK, 12", WHITE, SOLID
9	647	TRANSVERSE/DIAGONAL LINE, 24", WHITE, SOLID
10	644	EDGE LINE, 4", YELLOW, SOLID
11	644	WORD ON PAVEMENT, WHITE, SOLID

CONTRACTOR TO PROVIDE PAVEMENT MARKINGS AND SIGNAGE IN ACCORDANCE WITH THE LATEST VERSION OF THE ODOT STANDARD SPECIFICATIONS, APPLICABLE ODOT STANDARD CONSTRUCTION DRAWINGS AND THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

RPM NOTE:

CONTRACTOR TO INSTALL RAISED PAVEMENT MARKERS (RPMs) FOR PROPOSED LEFT TURN LANE, TWO-WAY LEFT TURN LANE, RIGHT TURN LANE CHANNELIZING LINE AND EDGE LINE ALONG LONDON GROVEPORT ROAD (S.R. 317) AND FOR PROPOSED LEFT TURN LANE CHANNELIZING LINE ALONG ALUM CREEK DRIVE PER ODOT STD. DWG. TC-65.10 AND TC-65.11.



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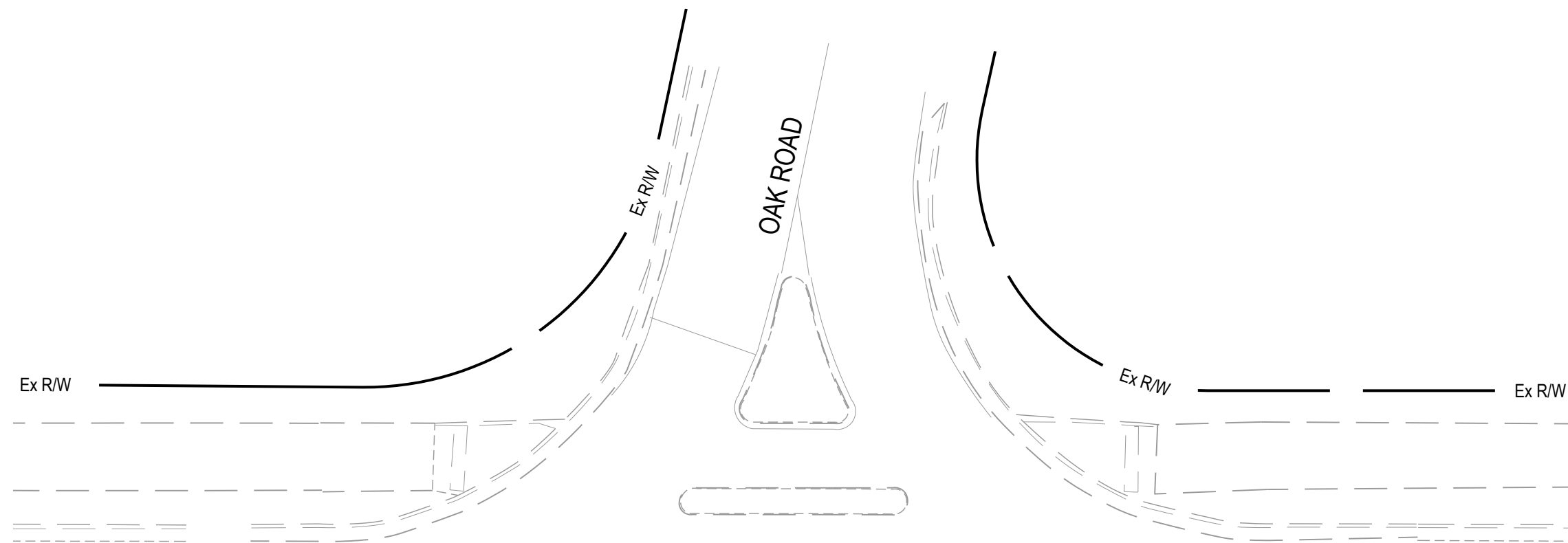
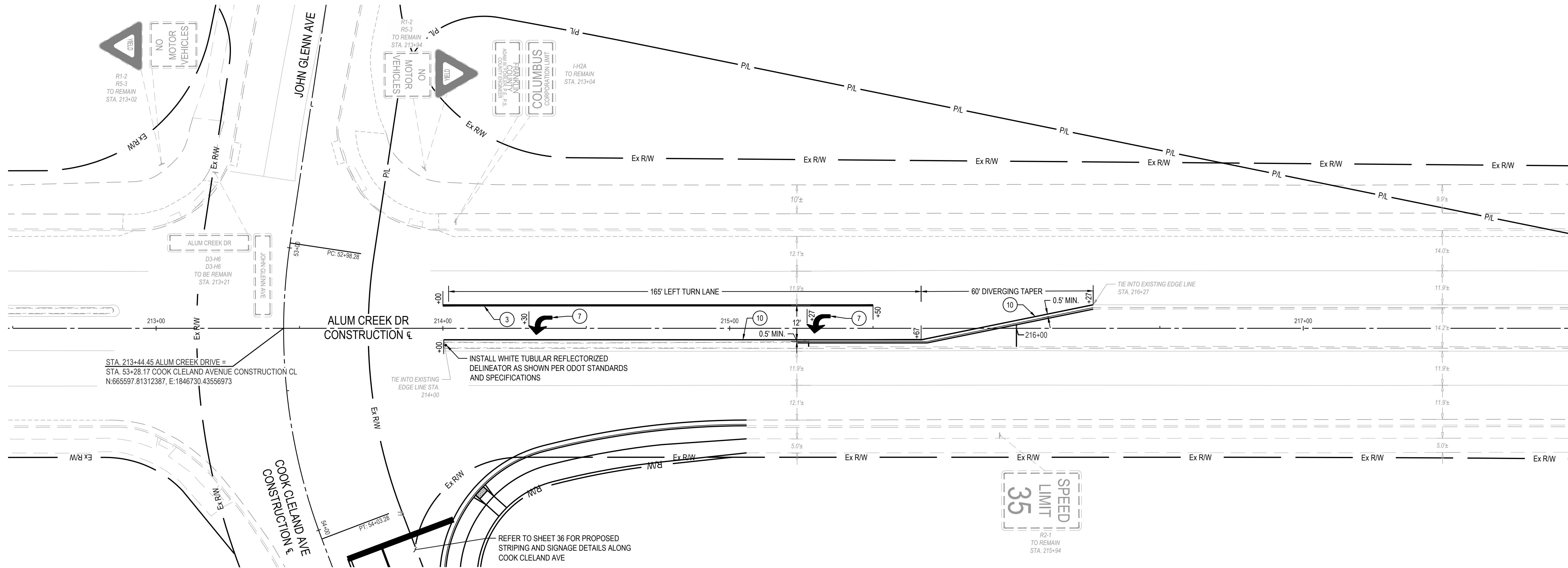
PAVEMENT MARKING & SIGNAGE PLAN
LONDON GROVEPORT ROAD (S.R. 317) & ALUM CREEK DR

RACETRAC
COLUMBUS, OH

E-4118

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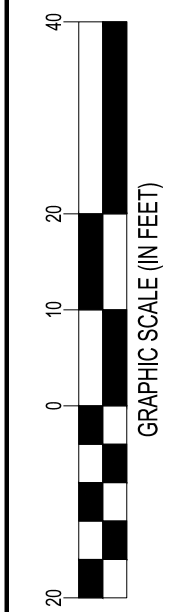
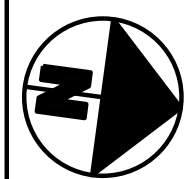
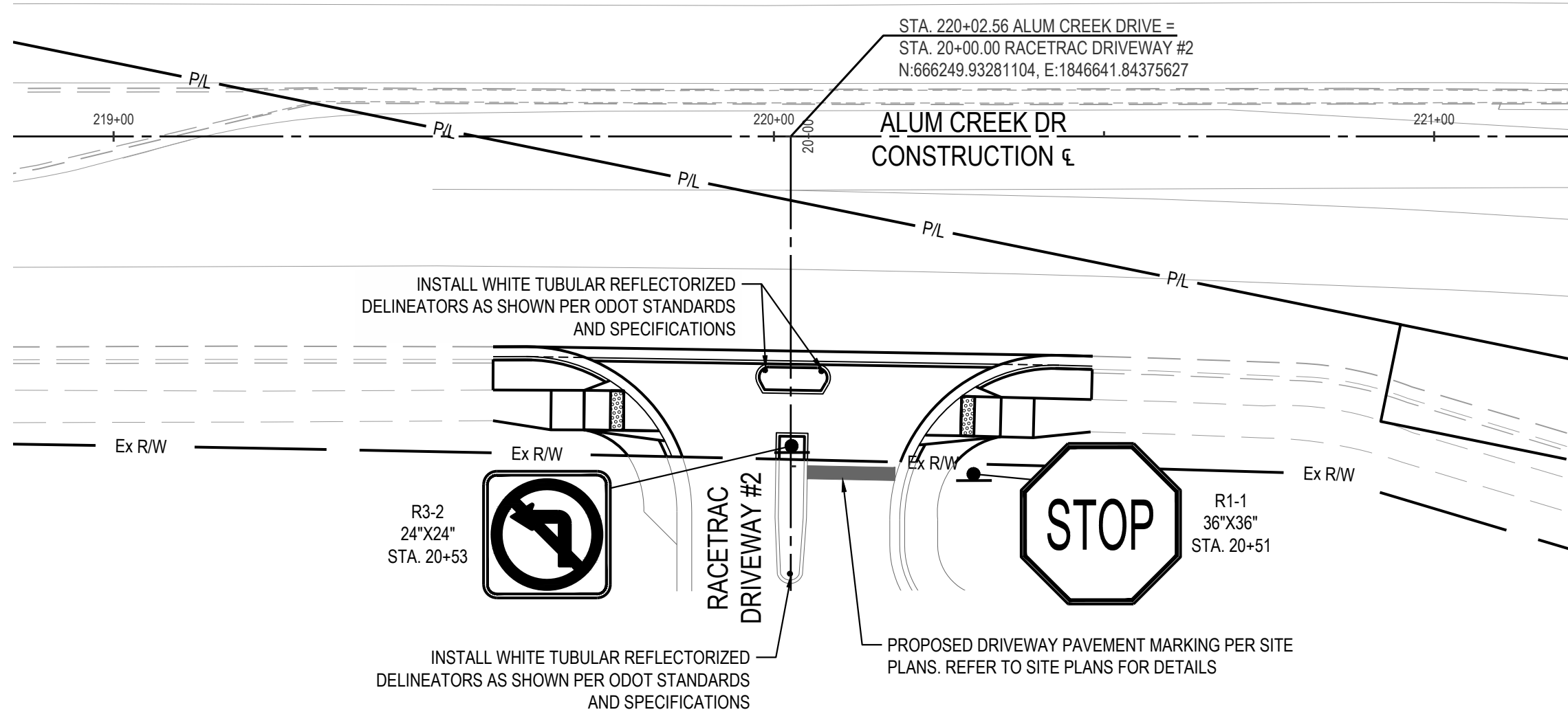
RPM NOTE:

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PAVEMENT MARKING LEGEND

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2	644	EDGE LINE, 6", WHITE, SOLID
3	644	CHANNELIZING LINE, 8", WHITE, SOLID
4	647	TRANSVERSE/DIAGONAL LINE, 24", YELLOW, SOLID
5	647	STOP LINE, 24", WHITE, SOLID
6	644	CENTERLINE, 4", DOUBLE YELLOW, DASHED-SOLID
7	647	LANE ARROW, WHITE, SOLID
8	647	CROSSWALK, 12", WHITE, SOLID
9	647	TRANSVERSE/DIAGONAL LINE, 24", WHITE, SOLID
10	644	EDGE LINE, 4", YELLOW, SOLID
11	644	WORD ON PAVEMENT, WHITE, SOLID

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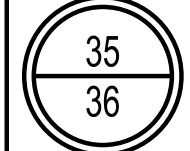


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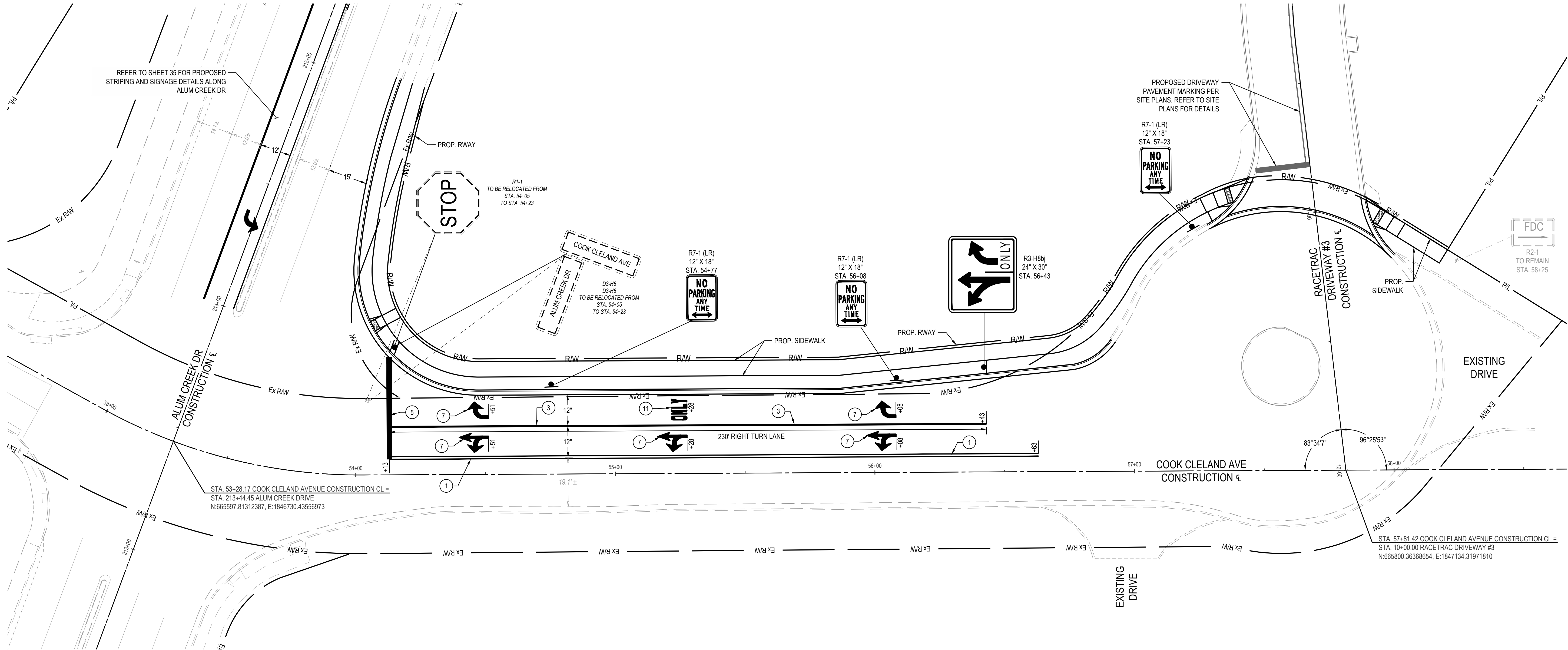
PAVEMENT MARKING & SIGNAGE PLAN
ALUM CREEK DR

RACETRAC
COLUMBUS, OH

E-4118



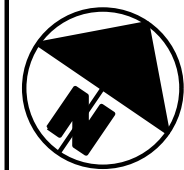
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PAVEMENT MARKING LEGEND

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7	647	LANE ARROW, WHITE, SOLID
8	647	CROSSWALK, 12", WHITE, SOLID
9	647	TRANSVERSE/DIAGONAL LINE, 24", WHITE, SOLID
10	644	EDGE LINE, 4", YELLOW, SOLID
11	644	WORD ON PAVEMENT, WHITE, SOLID

CONTRACTOR TO PROVIDE PAVEMENT MARKINGS AND SIGNAGE IN ACCORDANCE WITH THE LATEST VERSION OF THE ODOT STANDARD SPECIFICATIONS, APPLICABLE ODOT STANDARD CONSTRUCTION DRAWINGS AND THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



CALCULATED	SCW	PID
CHECKED		

PAVEMENT MARKING AND SIGNAGE PLAN
COOK CLELAND AVE

RACETRAC
COLUMBUS, OH

E-4118

