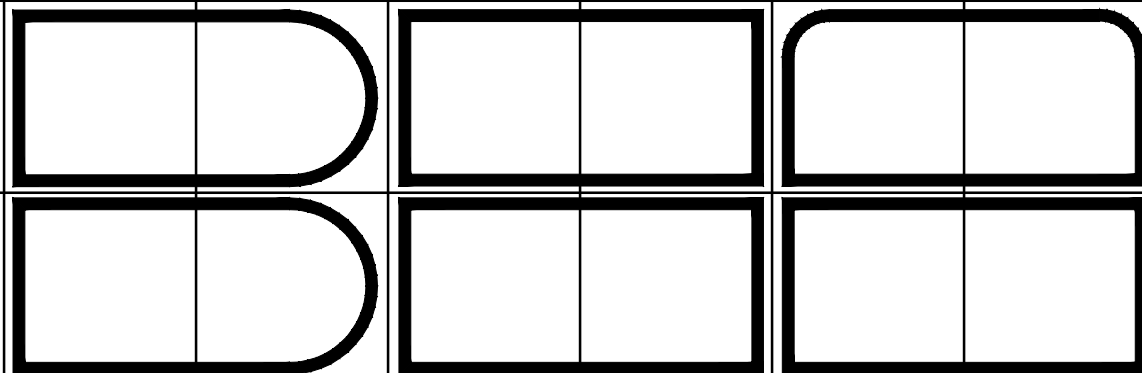


PROPOSED:
KINSER PIKE SIDEWALK -
RECONSTRUCTION FROM
COLONIAL CREST DRIVE TO
GOURLEY PIKE
BLOOMINGTON, INDIANA

UTILITY CONTACT INFORMATION

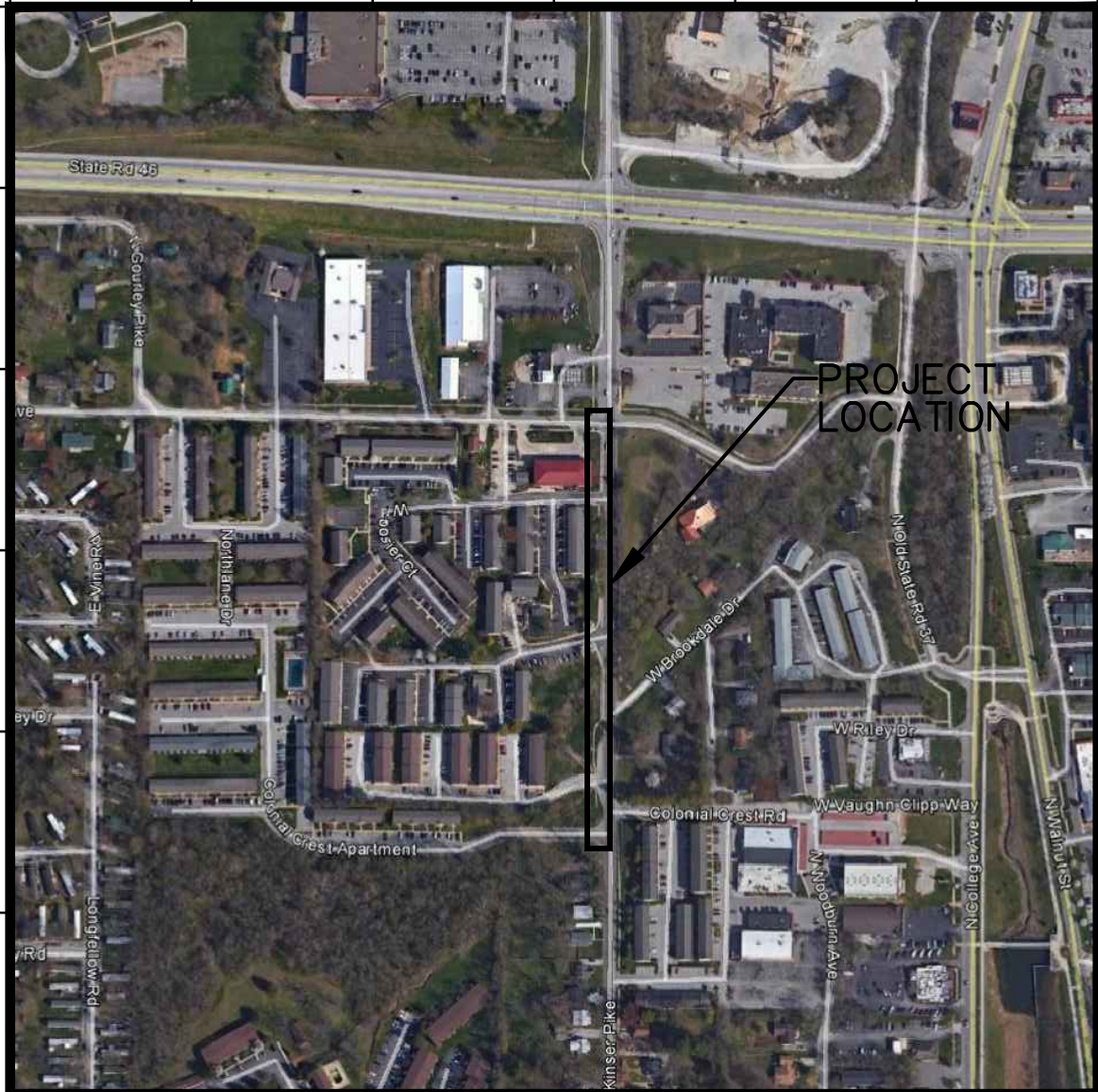
GAS	SEWER AND WATER	ELECTRIC	TRAFFIC & PMVT. MARKINGS
VECTREN 205 S. MADISON ST. BLOOMINGTON, IN 47401 (812)330-4009	CITY OF BLOOMINGTON UTILITIES DUKE ENERGY 600 E. MILLER DR. BLOOMINGTON, IN 47402 NANCY AXSON (812)349-3689	1619 W. DEFFENBAUGH ROAD KOKOMO, INDIANA 46902 JIM SHIELDS (317)375-2071	CITY OF BLOOMINGTON STREET DEPARTMENT 1981 S HENDERSON STREET BLOOMINGTON, INDIANA 47401 MIKE STINSON (812) 349-3450
TELEPHONE	CABLE TELEVISION	UNDERGROUND UTILITY LOCATION	
AT&T P.O. BOX 56 BLOOMINGTON, IN 47402 BRENT McCABE (812)334-4521	COMCAST 2450 SOUTH HENDERSON STREET BLOOMINGTON, IN 47404 SCOTT TEMPLETON (812)355-7822	INDIANA UNDERGROUND PLANT PROTECTION 1-(800)382-5544	



BYNUM FANYO & ASSOCIATES, INC.
528 North Walnut Street
Bloomington, Indiana 47404 (812) 332-8030

SHEET INDEX

SHEET NO.	SHEET NO.
C101	GENERAL NOTES & LEGENDS
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C501 -502	MISCELLANEOUS DETAILS
C601	EROSION CONTROL DETAILS
C701	MAINTAINANCE OF TRAFFIC PLAN



VICINITY/LOCATION MAP
SCALE: NTS

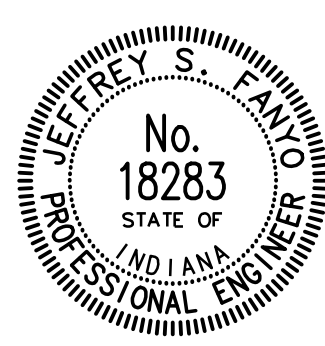


DIAL '811' BEFORE YOU DIG
PER INDIANA STATE LAW IC8-1-26
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS
BEFORE COMMENCING WORK.

architecture
civil engineering
planning

OWNER/DEVELOPER:
CITY OF BLOOMINGTON
401 N. MORTON STREET
BLOOMINGTON, IN 47404

THE CURRENT EDITION OF THE INDIANA DEPARTMENT OF
TRANSPORATION, MANUAL ON UNIFORM TRAFFIC CONTROL
DEVICES & CITY OF BLOOMINGTON UTILITIES STANDARD
SPECIFICATIONS IS TO BE USED WITH THESE PLANS



Certified By:
Jeffrey S. Fanyo
JEFFREY S. FANYO, P.E.
IND. REG. NO. 60018283

Revisions

KINSER PIKE SIDEWALK
PROJECT NO. 401751

GENERAL LEGEND

	PROPERTY LINE
	PROPERTY LINE
XXX/XXX	DEED BOOK AND PAGE
T.B.R.	TO BE REMOVED
T.R.U.	TO REMAIN UNDISTURBED
X' SBL	SETBACK LINE
	PROPOSED ACCESSIBLE PARKING SPACE
S.S.E.	SANITARY SEWER EASEMENT
G.E.	GAS EASEMENT
W.L.E.	WATER LINE EASEMENT
E.E.	ELECTRIC EASEMENT
D.E.	DRAINAGE EASEMENT
U.E.	UTILITY EASEMENT

EXISTING LEGEND

	EXISTING FENCE
	EXISTING WATER LINE
	EXISTING OVERHEAD ELECTRIC LINES
	EXISTING UNDERGROUND ELECTRIC LINES
	EXISTING OVERHEAD TELEPHONE LINES
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING GAS LINE
	EXISTING CONTOUR & ELEVATION
	FLOW LINE
	EXISTING SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND INLET

SITE LEGEND

	PROPOSED ROAD BITUMINOUS PAVING
	PROPOSED HEAVY DUTY ROAD BITUMINOUS PAVING
	PROPOSED ALL-PURPOSE TRAIL BITUMINOUS PAVING
	PROPOSED REINFORCED CONCRETE PAVING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED MONOLITHIC CURB AND SIDEWALK
	PROPOSED CITY OF BLOOMINGTON STANDARD ROAD PAVEMENT PATCH
	PROPOSED 6 IN STANDING CURB
	PROPOSED 6 IN CONCRETE CURB AND GUTTER
	PROPOSED INDOT SIDEWALK ACCESSIBLE RAMP
	PROPOSED SOLID WHITE 4 IN. WIDE PAINTED PAVEMENT MARKING
	PROPOSED SOLID WHITE 12 IN. WIDE PAINTED CROSS HATCH PAVEMENT MARKING - SPACED AT 5 FT. O.C. IN LIMITS SHOWN
	PROPOSED SOLID BLUE 4 IN. WIDE PAINTED ADA PARKING MARKING
	PROPOSED SOLID THERMOPLASTIC WHITE 24 IN. WIDE STOP BAR PAVEMENT MARKING
	PROPOSED SOLID WHITE THERMOPLASTIC 24 IN. WIDE CROSSWALK PAVEMENT MARKING - 24 IN. SPACING
	PROPOSED INDOT 30 IN. X 30 IN. ROAD STOP SIGN
	PROPOSED REINFORCED CONCRETE RETAINING WALL AND RAILING - REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS
	PROPOSED NUMBER OF PARKING SPACES PER LOT
	PROPOSED BOLLARD
	PROPOSED CONCRETE STAIRS SPACED 4 FT. O.C. MIN. AS REQUIRED, STEP HEIGHT VARIES, 7 IN. MAXIMUM, REFER TO GRADING PLAN FOR MORE INFORMATION
	PROPOSED WOOD STAIRS TO 2ND FLOOR AS REQUIRED, RISER HEIGHT VARIES, REFER TO GRADING AND ARCHITECTURAL PLANS FOR MORE INFORMATION
	PROPOSED BIKE PARKING AREA WITH CONCRETE PAD, REFER TO TYPICAL SIDEWALK CONCRETE DETAIL - REFER ALSO TO LANDSCAPE AND ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AND FOUNDATION INFORMATION
	PROPOSED CONCRETE PARKING BUMPER BLOCK, 7 FT. LONG

UTILITY LEGEND

	PROPOSED DIP FIRE SERVICE LINE
	PROPOSED DOMESTIC SERVICE LINE
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED SANITARY SEWER LATERAL AND SANITARY SEWER CLEAN-OUT
	PROPOSED STORM SEWER INLET AND PIPE
	PROPOSED SCHEDULE 40 PVC BUILDING DRAIN
	PROPOSED GAS SERVICE LINE
	PROPOSED ELECTRIC SERVICE LINE

GRADING LEGEND

	PROPOSED GRADE CONTOUR
	EXISTING GRADE CONTOUR
	PROPOSED FLOWLINE
	PROPOSED SPOT GRADE ELEVATION
	PROPOSED TOP OF CURB ELEVATION
	PROPOSED PAVEMENT ELEVATION
FC=XXX.XX	FINISH TOP OF CURB ELEVATION
FF=XXX.XX	FINISH FLOOR ELEVATION
FG=XXX.XX	FINISH EARTH GRADE ELEVATION
TC=XXX.XX	FINISH TOP OF CASTING
TW=XXX.XX	FINISH TOP OF RETAINING WALL

EROSION CONTROL LEGEND

	SILTATION FENCE (TEMPORARY)
	CONSTRUCTION LIMITS
	MULCH SEEDING - SEE SPECIFICATIONS (TEMPORARY)
	20' X 50' STONE PAD, 6" DEEP TO KEEP FROM TRACKING MUD OFF SITE (TEMPORARY)
	CHECK DAM (TEMPORARY)
	CONCRETE WASHOUT AREA (TEMPORARY)
	EROSION CONTROL BLANKET (PERMANENT)
	STRAW BALE (TEMPORARY) (TO BE USED ON ALL YARD INLETS)

ON-SITE UTILITY NOTES

- ☐ 1. ALL WATER PIPE 6" AND LARGER SHALL BE PRESSURE CLASS 350 DIP WATER PIPE CONFORMING TO ALL STATE AND LOCAL STANDARDS.
- ☐ 2. WATER MAIN FITTINGS 6" AND LARGER SHALL BE DUCTILE IRON CONFORMING TO AWWA/ANSI STANDARD SPECIFICATIONS C153/A21.53, LATEST REVISION.
- ☐ 3. 2" WATER MAINS SHALL BE SDR-21 (PR200) AND 4" PIPE MAY BE EITHER SDR-21 (PR200) OR C900 (DR-14).
- ☐ 4. ALL WATER SERVICE LINES CONNECTING TO 2" PVC MAINS SHALL BE 1" TYPE "K" COPPER. ALL SERVICE LINES FROM MAIN TO METER SHALL BE TYPE "K" COPPER WITH FLARED ENDS.
- ☐ 5. MECHANICAL RESTRAINTS SHALL BE PROVIDED AT ALL WATER LINE BENDS, OFFSETS, TEES, PLUGS, ETC...
- ☐ 6. ALL WATER LINE GATE VALVES OTHER THAN AIR RELEASE VALVES AND TAPPING VALVES SHALL BE CAST IRON BODY, FULLY BRONZE MOUNTED, WITH RESILIENT SEAT AND NON-RISING STEM AND SHALL BE MANUFACTURED BY M & H VALVE COMPANY, DARLING VALVE AND MANUFACTURING COMPANY, KENNEDY VALVE COMPANY, OR MUELLER COMPANY.
- ☐ 7. FLUSH HYDRANTS SHALL BE PLACED AT THE ENDS OF ALL WATER MAINS AND AT ANY HIGH POINTS IN THE LINE.
- ☐ 8. AIR RELEASE VALVES SHALL BE PROVIDED AT ALL HIGH POINTS OF WATER MAINS AND SHALL BE VAL-MATIC BRAND AND SHALL INCORPORATE THE OPTIONAL VACUUM-CHECK FEATURE.
- ☐ 9. ALL FIRE HYDRANTS SHALL BE MANUFACTURED BY KENNEDY GUARDIAN OR MUELLER CENTURION.
- ☐ 10. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED BEFORE ACCEPTANCE. SEE SITE WORK SPECIFICATIONS.
- ☐ 11. WATER AND SANITARY SEWER MAINS SHALL HAVE A MINIMUM COVER OF 4'-0" ABOVE TOP OF PIPE.
- ☐ 12. ALL SPRINKLER, DOMESTIC, AND SANITARY LEADS TO THE BUILDING SHALL END AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END (FOR OTHERS TO REMOVE AND EXTEND AS NECESSARY).
- ☒ 13. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN INCHES (18').
- ☐ 14. GRAVITY SANITARY SEWER PIPE 6" TO 15" SHALL BE CONSTRUCTED OF SDR-35 PVC.
- ☐ 15. THE UPSTREAM ENDS OF ALL SANITARY SEWER LATERALS SHALL BE CLEARLY MARKED WITH A 4x4 TREATED POST EXTENDING 3' BELOW GRADE AND 1" ABOVE GRADE.
- ☒ 16. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
- ☒ 17. SEE SITE SPECIFICATIONS FOR BACKFILLING AND COMPACTION REQUIREMENTS.
- ☒ 18. SITE CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.
- ☒ 19. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH SITE WORK SPECIFICATIONS.
- ☒ 20. ALL CATCH BASIN GRATE AND FRAMES ARE TO BE BY EAST JORDAN IRON WORKS.
- ☒ 21. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- ☐ 22. BUILDING CONTRACTOR SHALL PROVIDE & INSTALL A PERMANENT INDICATING VALVE 12" ABOVE THE FLOOR ON THE FIRE LINE AT THE TERMINATION POINT. THIS VALVE WILL BE USED TO HYDROSTATIC PRESSURE TEST AGAINST & WILL REMAIN AS PART OF THE SYSTEM ONCE ALL TESTING IS COMPLETED. THE FIRE LINE MAIN WILL NOT BE DISMANTLED FOR CONNECTION TO THE FIRE SUPPRESSION SYSTEM. SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FIRE MAIN WITH THE BUILDING CONTRACTOR.
- ☒ 23. ALL PROJECTS WILL REQUIRE A PRE-CONSTRUCTION MEETING WITH THE CITY OF BLOOMINGTON UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR AND/OR DEVELOPER MUST CONTACT TOM AXSOM AT (812)349-3633 TO SCHEDULE THE MEETING.
- ☒ 24. CONTRACTOR SHALL NOTIFY THE CITY OF BLOOMINGTON UTILITIES ENGINEERING DEPARTMENT ONE (1) WORKING DAY PRIOR TO CONSTRUCTION OF ANY WATER, STORM OR SANITARY SEWER UTILITY WORK. A CBU INSPECTOR MUST HAVE NOTICE SO WORK CAN BE INSPECTED, DOCUMENTED, AND PROPER AS-BUILT MADE. WHEN A CONTRACTOR WORKS WEEKENDS, A CBU DESIGNATED HOLIDAY, OR BEYOND NORMAL CBU WORK HOURS, THE CONTRACTOR WILL PAY FOR THE INSPECTOR'S OVERTIME. FOR CBU WORK HOURS AND HOLIDAY INFORMATION, PLEASE CONTACT THE CITY OF BLOOMINGTON UTILITIES ENGINEERING DEPARTMENT AT (812)349-3660.

NOTE: ONLY NOTES ON THIS SHEET MARKED WITH AN ☒ APPLY TO THIS PROJECT.

NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

GENERAL NOTES

- ☒ 1. BOUNDARY AND TOPO BY BYNUM FANYO AND ASSOCIATES, 528 NORTH WALNUT STREET, BLOOMINGTON, INDIANA 47404. PHONE (812) 332-8030
- ☒ 2. DEVELOPER: CITY OF BLOOMINGTON PUBLIC WORKS
- ☒ 3. PROJECT ADDRESS: KINSER PIKE, BLOOMINGTON, INDIANA
- ☒ 4. ALL WORK IS TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
- ☒ 5. ALL PERMITS ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- ☐ 6. HYDRANT LOCATION SHALL BE APPROVED BY THE LOCAL FIRE MARSHALL.
- ☒ 7. EXISTING UTILITIES ON SITE SHALL BE RELOCATED AS REQUIRED. CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH RELOCATION.
- ☒ 8. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.

PARKING AND PAVEMENT NOTES

- ☒ 1. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC DEVICES, CURRENT EDITION.
- ☐ 2. ALL PAVEMENT MARKINGS SHALL BE PAINTED WHITE ON ASPHALT PAVEMENT / YELLOW ON CONCRETE PAVEMENT AND SHALL BE FOUR (4) INCHES WIDE UNLESS INDICATED OTHERWISE.
- ☒ 3. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS INDICATED OTHERWISE. ALL CURB RADIUS ARE TO BE 5' UNLESS INDICATED OTHERWISE.
- ☐ 4. CONTRACTOR SHALL FURNISH AND INSTALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
- ☐ 5. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES WITH OTHER CONTRACTORS ON THE SITE.
- ☒ 6. JOINTS OR SCORE MARKS ARE TO BE SHARP AND CLEAN WITHOUT SHOWING EDGES OF JOINTING TOOLS.
- ☒ 7. CONTRACTOR SHALL SAW-CUT TIE-INS AT EXISTING CURBS AS NECESSARY TO INSURE SMOOTH TRANSITIONS. CONTRACTOR SHALL SAW-CUT AND TRANSITION TO MEET EXISTING PAVEMENT AS NECESSARY AND AS DIRECTED BY INSPECTOR TO INSURE POSITIVE DRAINAGE. (TYPICAL AT ALL INTERSECTIONS).
- ☒ 8. CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY A.G.C. OF AMERICA, INC. AND THE HEALTH AND SAFETY REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.

GRADING NOTES

- ☒ 1. NEW FINISHED CONTOURS SHOWN ARE TOP OF FUTURE PAVING IN AREAS TO RECEIVE PAVEMENT AND TOP OF TOPSOIL IN AREAS TO BE SEEDDED OR PLANTED.
- ☒ 2. AREAS OUTSIDE OF THE PARKING LOT PERMETERS SHOWN TO BE SEEDDED OR PLANTED SHALL RECEIVE 6" OF TOPSOIL. THIS TOPSOIL IS TO BE PLACED AND LEVELED BY THE CONTRACTOR.
- ☒ 3. CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING, OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION WITH ALTERATION OF OR RELOCATION OF THE FACILITY.
- ☒ 4. ALL AREAS NOT COVERED BY BUILDING OR PAVING ARE TO BE VEGETATED (SEEDDED OR SODDED AS NOTED ON PLANS).
- ☒ 5. UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY CONTRACTOR.
- ☒ 6. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED.
- ☒ 7. BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. THE LACK OF PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN PLACED TO THE OWNER'S SATISFACTION.
- ☐ 8. CONTRACTOR SHALL COMPACT AND MAINTAIN A 30,000 SQ. FT. STONEBASE CONSTRUCTION LAYDOWN AREA W/ STONE ACCESS FROM THE CONSTRUCTION ENTRANCE AND STONE ACCESS TO THE BUILDING PAD.
- ☒ 9. THESE DOCUMENTS ARE SCHEMATIC IN NATURE AND CANNOT SHOW EVERY ITEM NEEDED FOR A COMPLETE OPERATIONAL STORM SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE OPERATING STORM SYSTEM.
- ☒ 10. ALL FILL SHALL BE FREE OF VEGETABLE MATTER, RUBBISH, LARGE ROCK, AND OTHER DELETERIOUS MATERIAL. THE FILL MATERIAL SHOULD BE PLACED IN LAYERS NOT TO EXCEED SIX (6) INCHES IN LOOSE THICKNESS AND SHOULD BE SPRINKLED WITH WATER AS REQUIRED TO SECURE SPECIFIED COMPACTION. EACH LAYER SHOULD BE UNIFORMLY COMPACTED BY MEANS OF SUITABLE EQUIPMENT AS DICTATED BY THE TYPE OF FILL MATERIAL. UNDER NO CIRCUMSTANCES SHOULD A BULLDOZER OR SIMILARLY TRACKED VEHICLE BE USED AS COMPACTING EQUIPMENT. MATERIAL CONTAINING AN EXCESS OF WATER SHOULD BE SPREAD AND DRIED TO A MOISTURE CONTENT THAT WILL PERMIT PROPER COMPACTION. ALL FILL SHOULD BE COMPACTED TO THE SPECIFIED PERCENTAGE OF THE MAXIMUM DENSITY OBTAINED IN ACCORDANCE WITH ASTM DENSITY TEST D-698 (95 PERCENT OF MAXIMUM DRY DENSITY). IF THE SPECIFIED COMPACTION LIMITS ARE NOT MET, SUCH AREAS SHOULD BE REWORKED AND RETESTED AS REQUIRED UNTIL THE SPECIFIED LIMITS ARE REACHED.

LANDSCAPE NOTES

- ☒ 1. ALL PLANT MATERIAL SHALL ARRIVE ONSITE IN A HEALTHY, VIGOROUS CONDITON AND BE FREE OF PESTS AND DISEASE.
- ☒ 2. ALL PLANTS SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- ☒ 3. ALL TREES SHALL BE STRAIGHT-TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ☒ 4. ALL TREES SHALL BE GUYED OR STAKED PLUMB AS SHOWN IN THE DETAILS.
- ☒ 5. ALL PLANTING MASS BEDS SHALL BE SPADE CUT UNLESS SPECIFIED WITH A MOW STRIP OR OTHER INSTALL EDGING. TREES TO HAVE A 5' DIAMETER MULCH RING.
- ☒ 6. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED WHERE SPECIFIED.
- ☒ 7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION. PLANTING LOCATIONS MAY REQUIRE ADJUSTMENTS IN FIELD TO AVOID OVERHEAD AND UNDERGROUND UTILITIES.
- ☒ 8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND SPECIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- ☒ 9. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING AND LAWN AREAS INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, PRUNING, FERTILIZING, ETC., UNTIL WORK IS ACCEPTED IN FULL BY THE OWNER.
- ☒ 10. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- ☒ 11. THE OWNER SHALL APPROVE THE STAKING LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- ☒ 12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST OR DRIP IRRIGATION SYSTEM PRIOR TO INSTALLATION. WATER ALL SPECIMENS WITHIN 24 HOURS OF PLANTING.
- ☒ 13. ANY NEW OR TRANSPLANTED PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES PRIOR TO TOTAL ACCEPTANCE OF THE WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY AND SIZE TO MEET ALL PLANT LIST SPECIFICATIONS.
- ☒ 14. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ☒ 15. ALL SHRUB, GROUNDCOVER, ANNUAL AND HERBACEOUS PERENNIAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
- ☒ 16. DURING THE GROWING SEASON ALL ANNUALS AND HERBACEOUS PERENNIALS SHALL REMAIN IN A HEALTHY CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ☒ 17. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN ON PLANS.
- ☒ 19. ALL DISTURBED AREAS NOT INCLUDED IN LANDSCAPE MULCH BEDS ARE TO BE DEBRIS-RAKED AND FINED-GRADED AS NEEDED, THEN MULCH SEEDDED (OR SODDED, PER PLAN) AND WATERED UNTIL A HEALTHY STAND OF TURF IS ESTABLISHED.
- ☒ 20. ANY PLANT OR OTHER LANDSCAPE MATERIAL SUBSTITUTIONS INSTALLED WITHOUT DESIGNER AND/OR OWNER APPROVAL SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER BEFORE, DURING AND AFTER INSTALLATION.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING
bloomington, indiana
(812) 339-2990 (Fax)

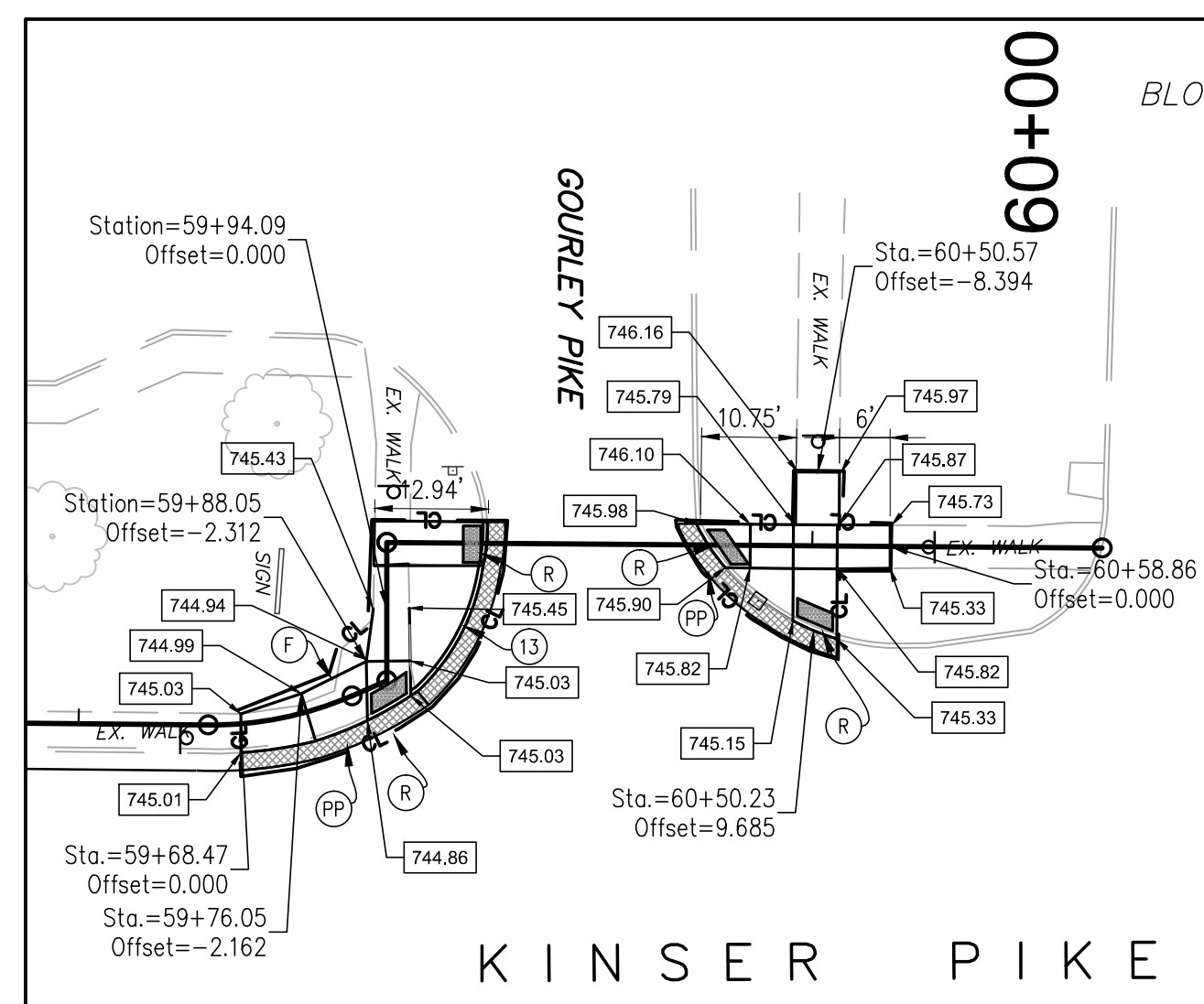
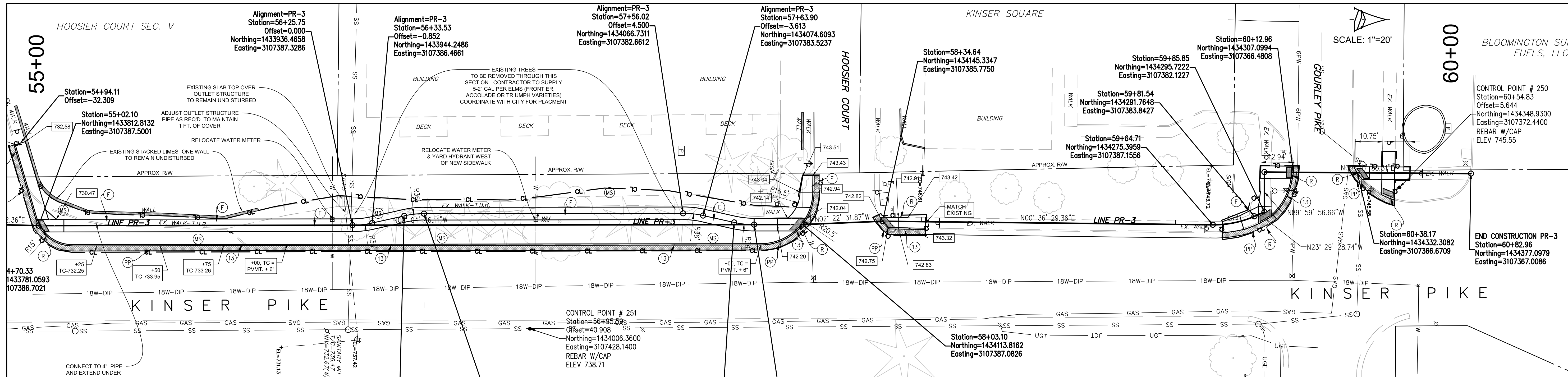
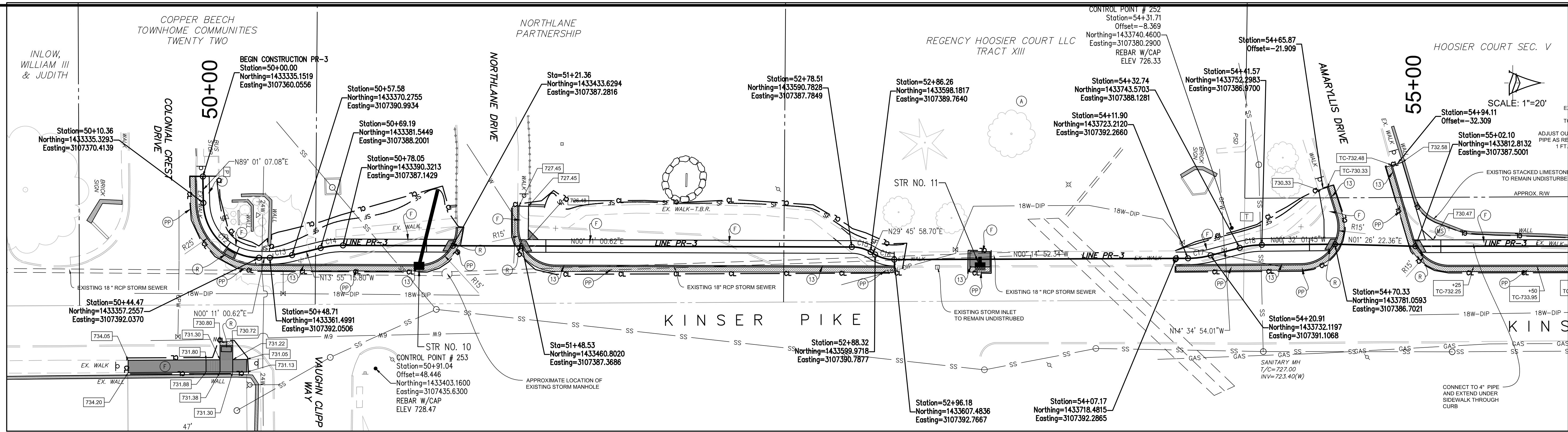
BYNUM FANYO & ASSOCIATES, INC.
528 north walnut street
(812) 332-8030

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER
11-28-17
certified by *[Signature]*

PROPOSED
KINSER PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: GENERAL NOTES
& LEGENDS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C101
project no.: 401751



SIDEWALK RAMP SPOT GRADES
SCALE 1"=20'
FOR ADDITIONAL INFORMATION SEE SHEET C502

Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C12	22.000	34.110	N44° 36' 03.85"E	(3107370.4139, 1433335.3293)	(3107392.0370, 1433357.2557)
C13	36.000	8.862	N06° 52' 07.59"W	(3107392.0506, 1433361.4991)	(3107390.9934, 1433370.2755)
C14	36.000	8.862	N06° 52' 07.59"W	(3107388.2001, 1433381.5449)	(3107387.1429, 1433390.3213)
C15	15.000	7.745	N14° 58' 29.66"E	(3107387.7849, 1433590.7828)	(3107389.7640, 1433598.1817)
C16	15.000	7.858	N14° 45' 53.18"E	(3107390.7877, 1433599.9718)	(3107392.7667, 1433607.4836)
C17	36.000	9.006	N07° 24' 53.18"W	(3107392.2660, 1433723.2120)	(3107391.1068, 1433752.2983)
C18	36.000	8.827	N07° 33' 27.73"W	(3107388.1281, 1433743.5703)	(3107386.9700, 1433752.2983)
C19	40.000	16.825	N11° 26' 29.69"W	(3107387.1556, 1434275.3959)	(3107383.8427, 1434291.7648)

EXISTING LEGEND

- x — EXISTING FENCE
- w — EXISTING WATER LINE
- ohe — EXISTING OVERHEAD ELECTRIC LINES
- uge — EXISTING UNDERGROUND ELECTRIC LINES
- oht — EXISTING OVERHEAD TELEPHONE LINES
- ugt — EXISTING UNDERGROUND TELEPHONE LINE
- gas — EXISTING GAS LINE
- xxx — EXISTING CONTOUR & ELEVATION
- . . . — FLOW LINE
- ss — EXISTING SANITARY SEWER AND MANHOLE
- st — EXISTING STORM SEWER AND INLET

NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING

Bloomington, Indiana
(812) 339-2990 (Fax)

BYNUM FANYO & ASSOCIATES, INC.

528 north walnut street
(812) 332-8030

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER

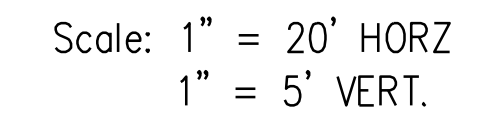
certified by

PROPOSED
KINSER PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: ALIGNMENT & DEMOLITION PLAN

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no.: C201
project no.: 401751

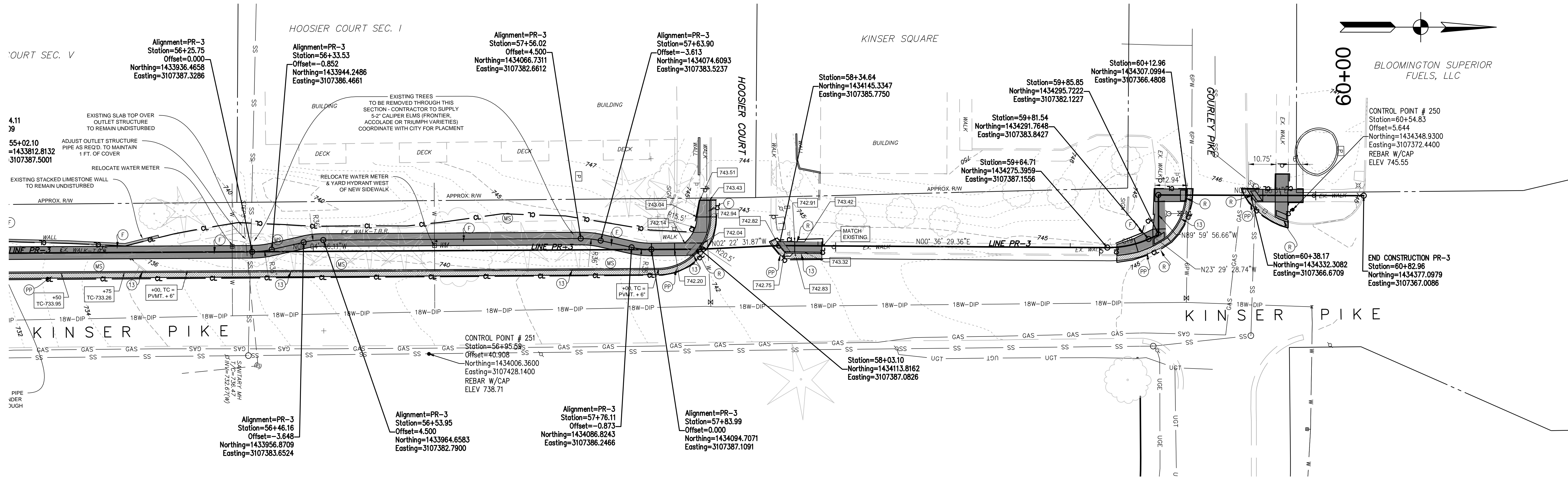
Revisions:



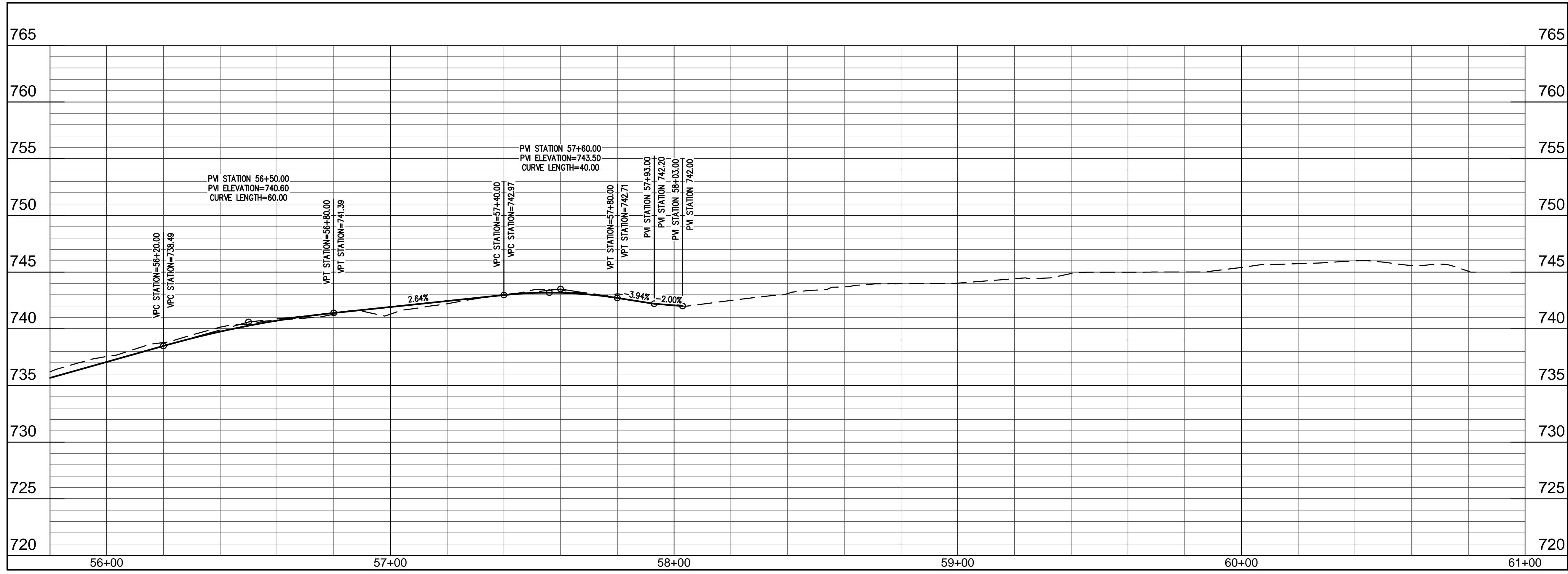
Title: LINE PR-3 PLAN & PROFILE

Designed by: RLC
Drawn by: RLC
Checked by: JSF
Sheet no: C301
Project no.: 401751

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.



Scale: 1" = 20' HORZ
1" = 5' VERT.



NOTE TO CONTRACTOR

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revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING

BYNUM FANYO & ASSOCIATES, INC.
528 north walnut street
(812) 332-8030

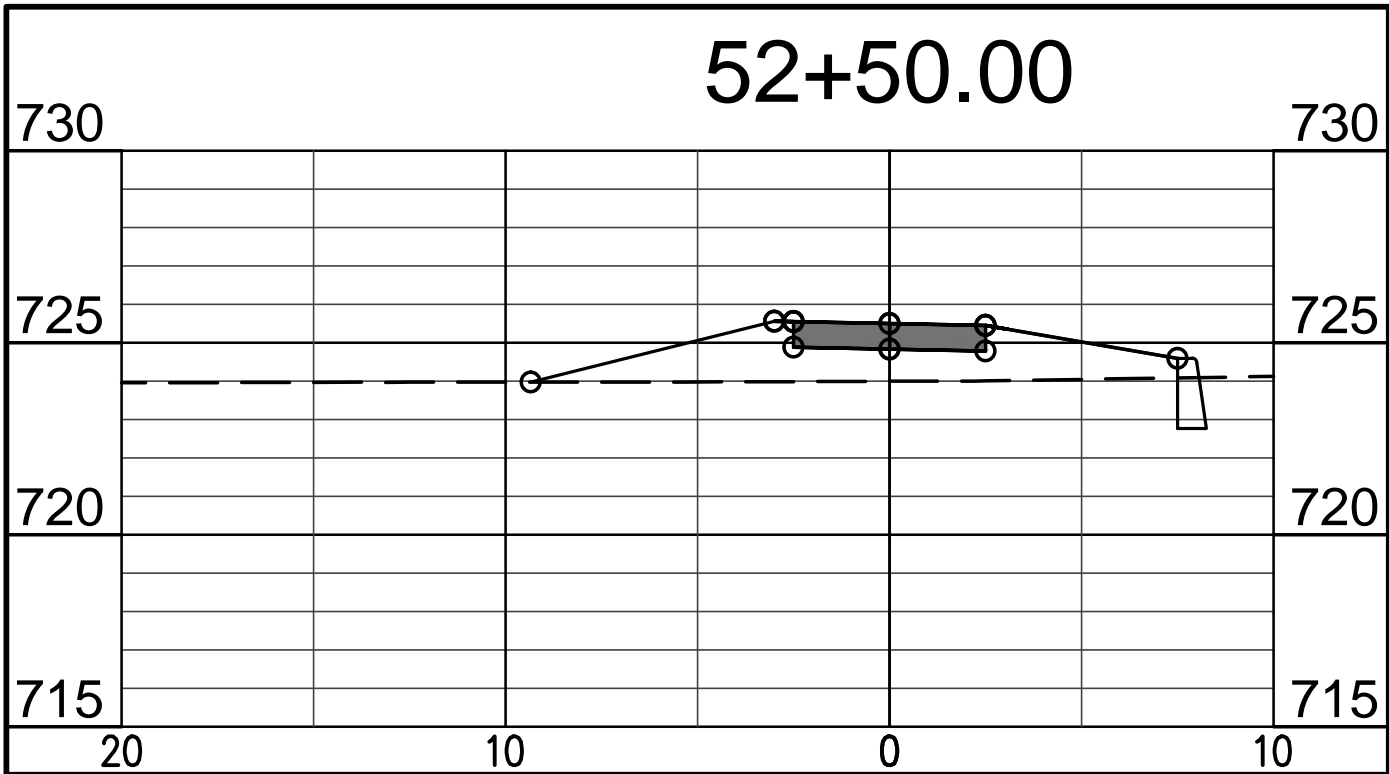
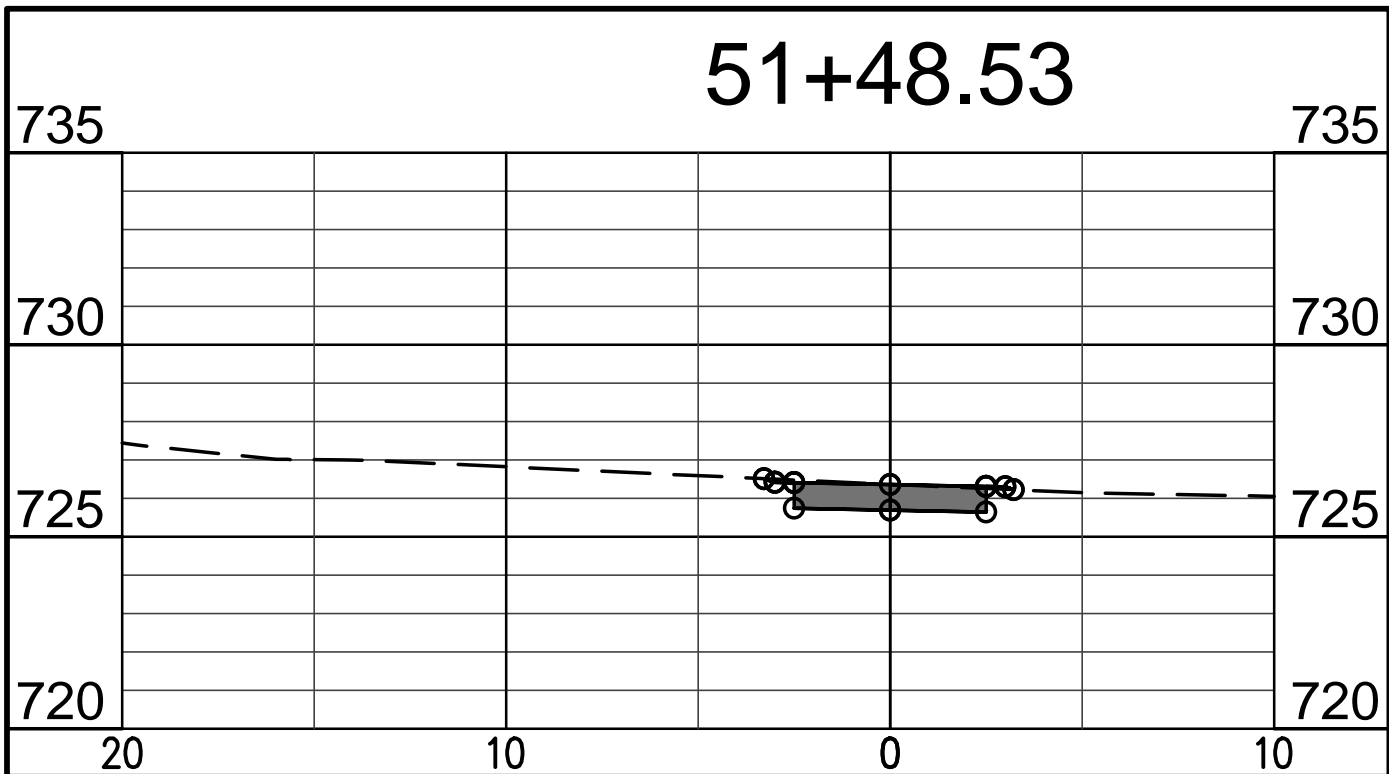
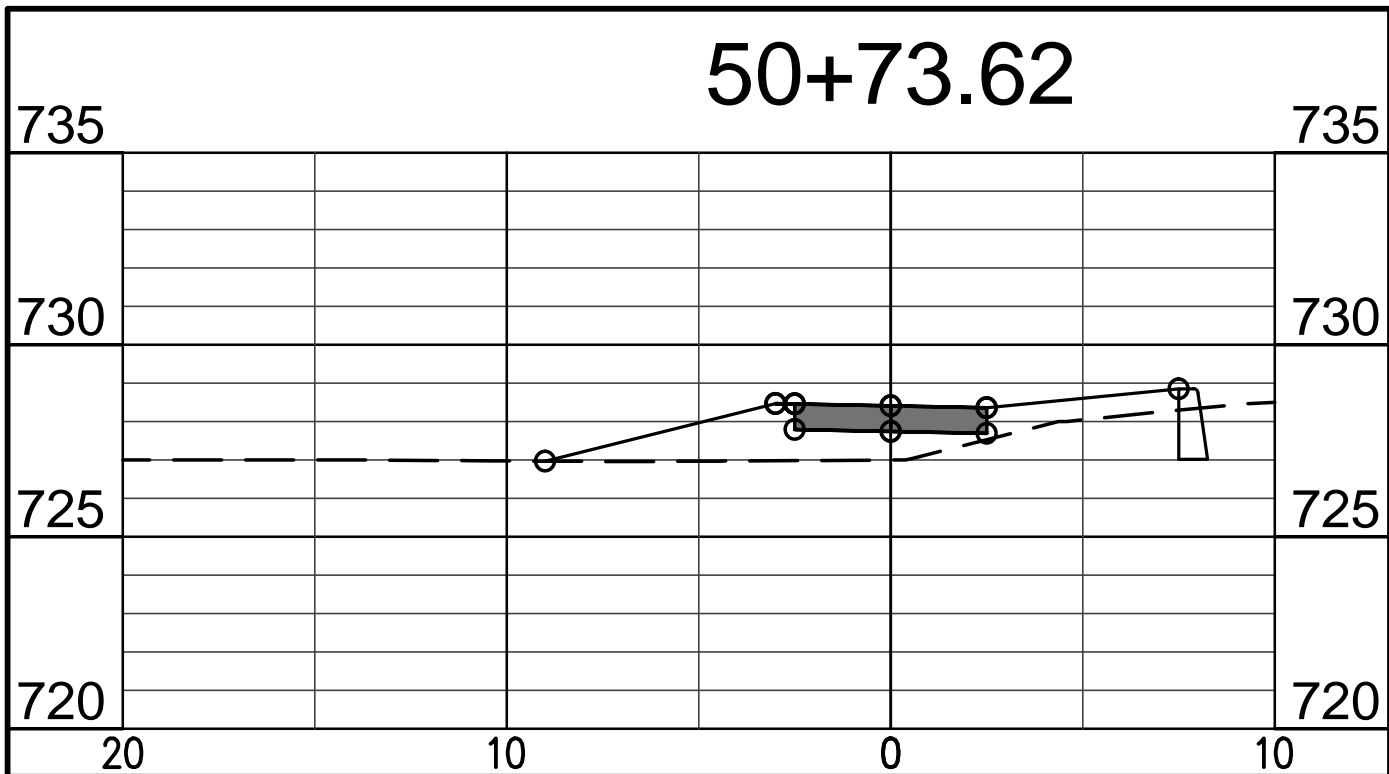
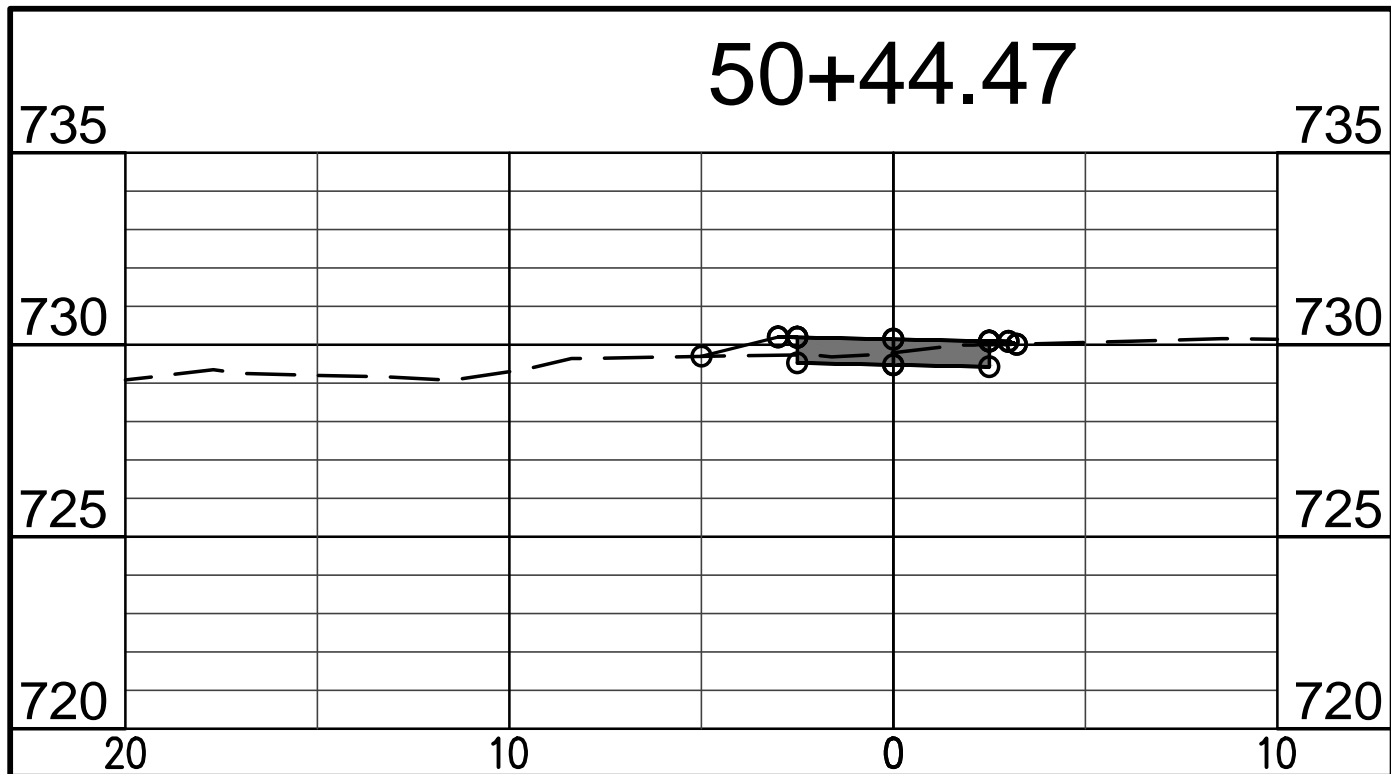
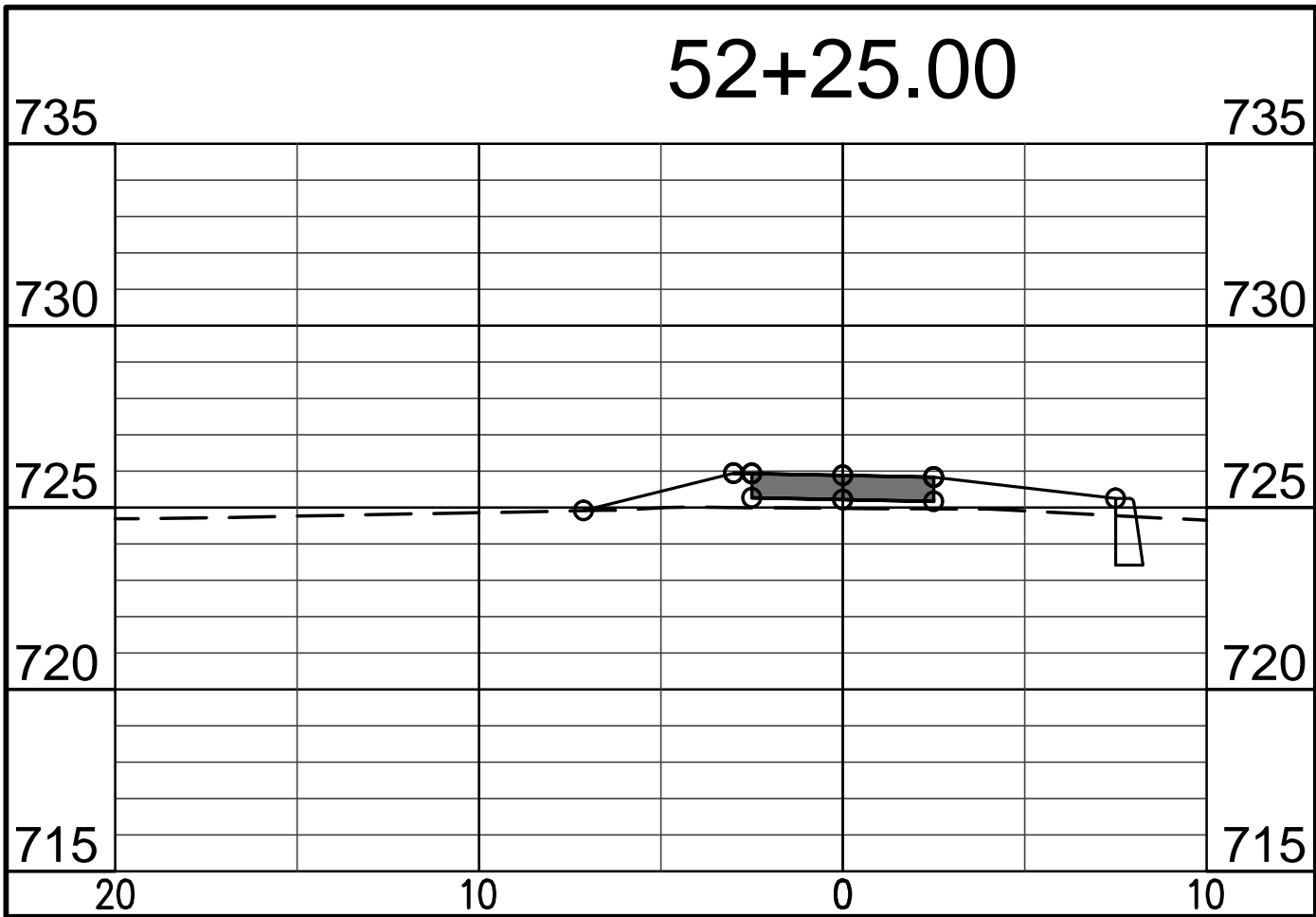
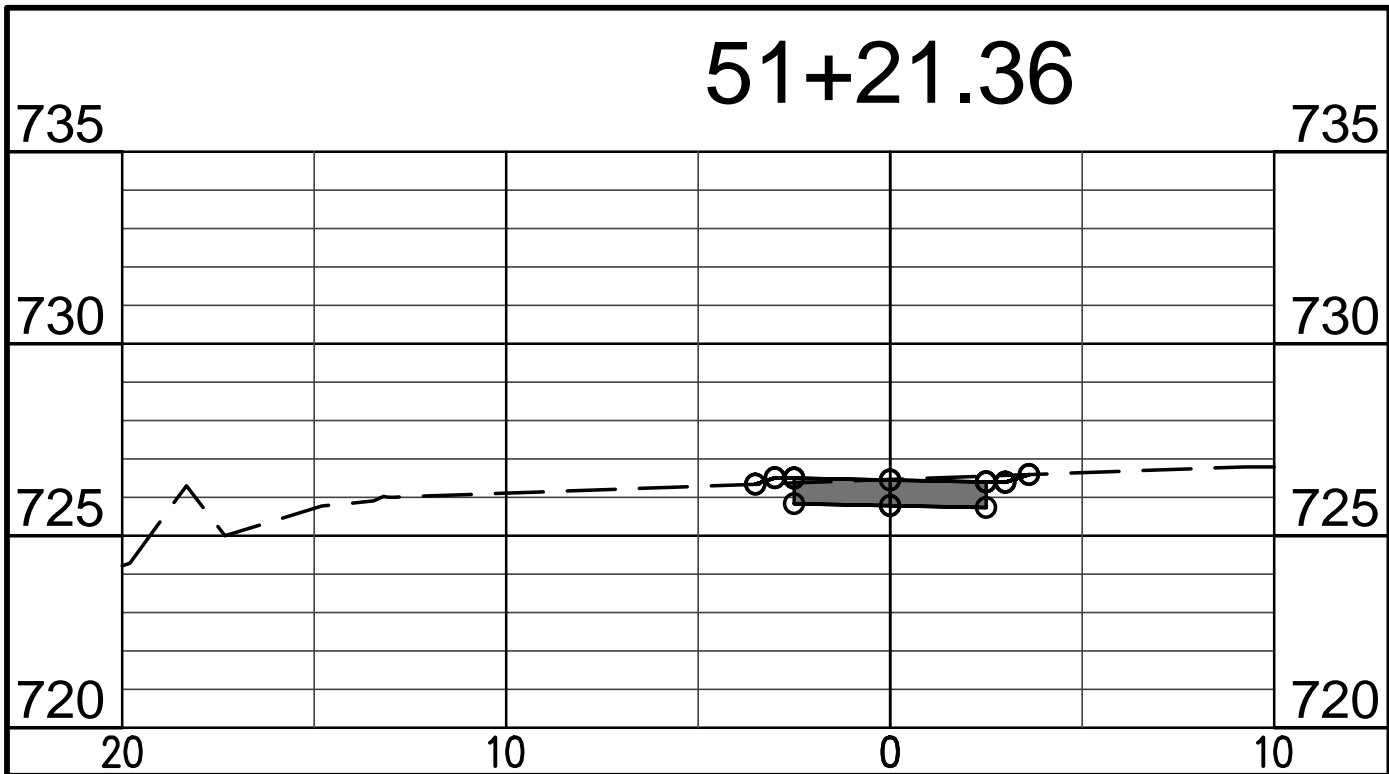
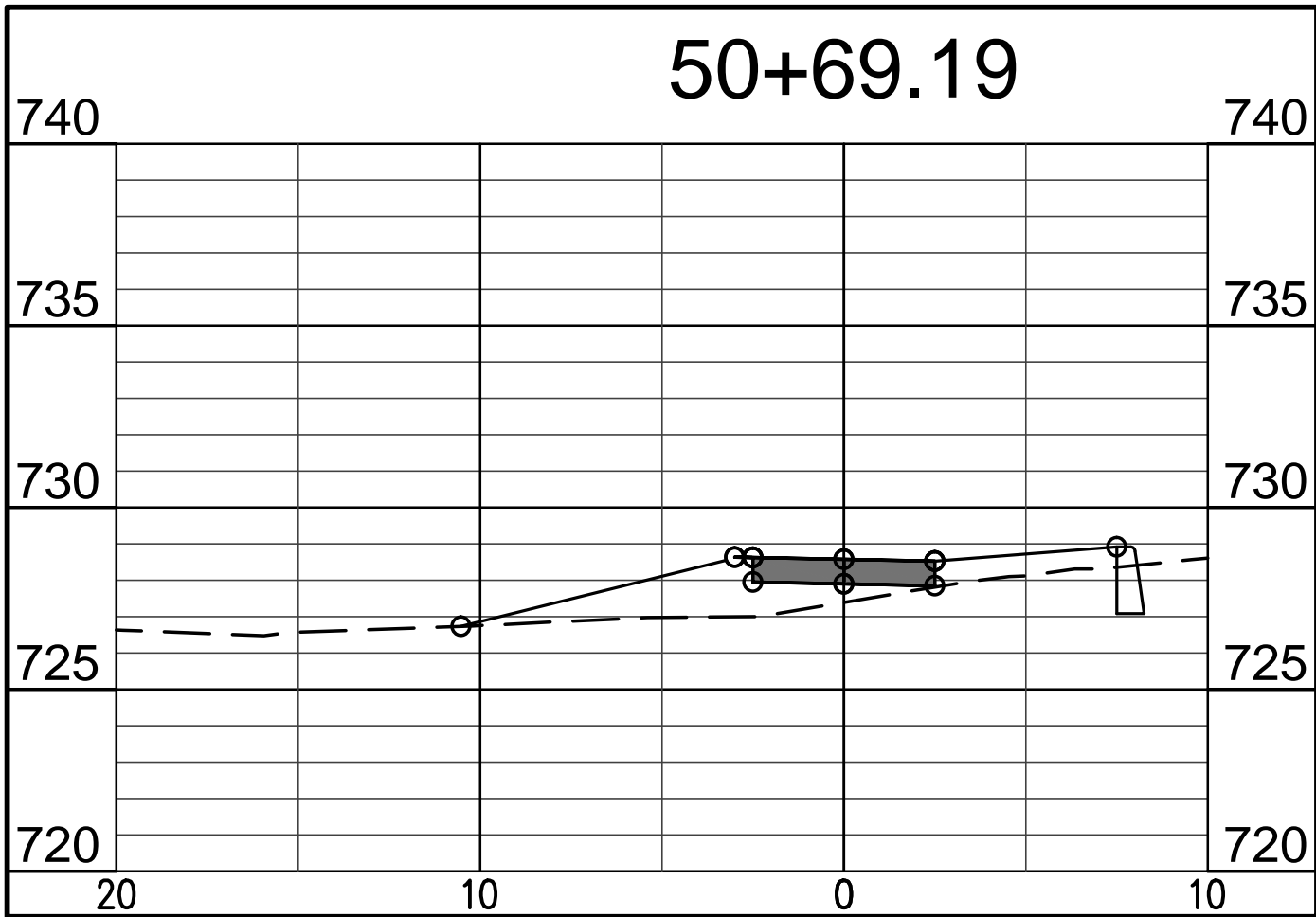
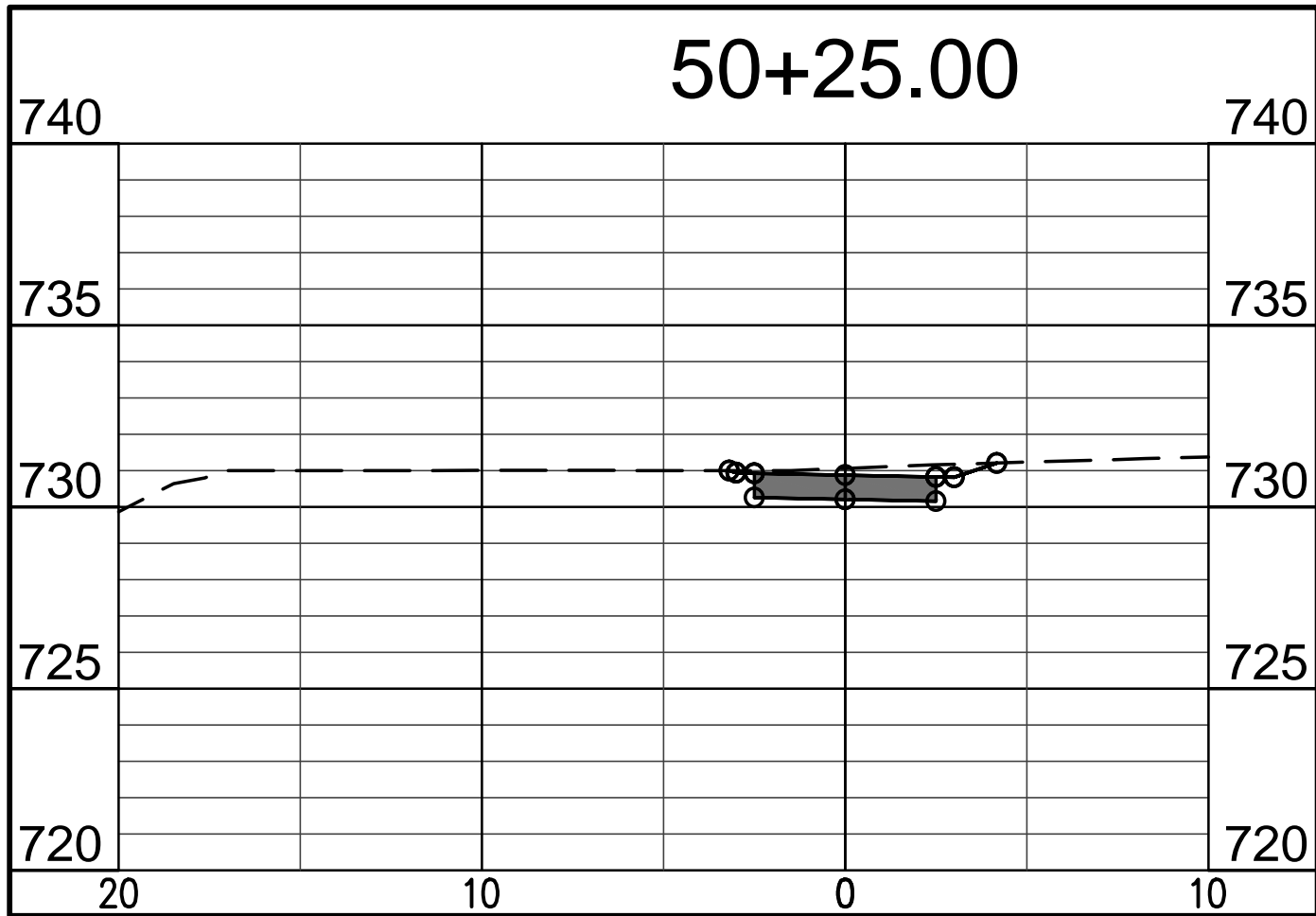
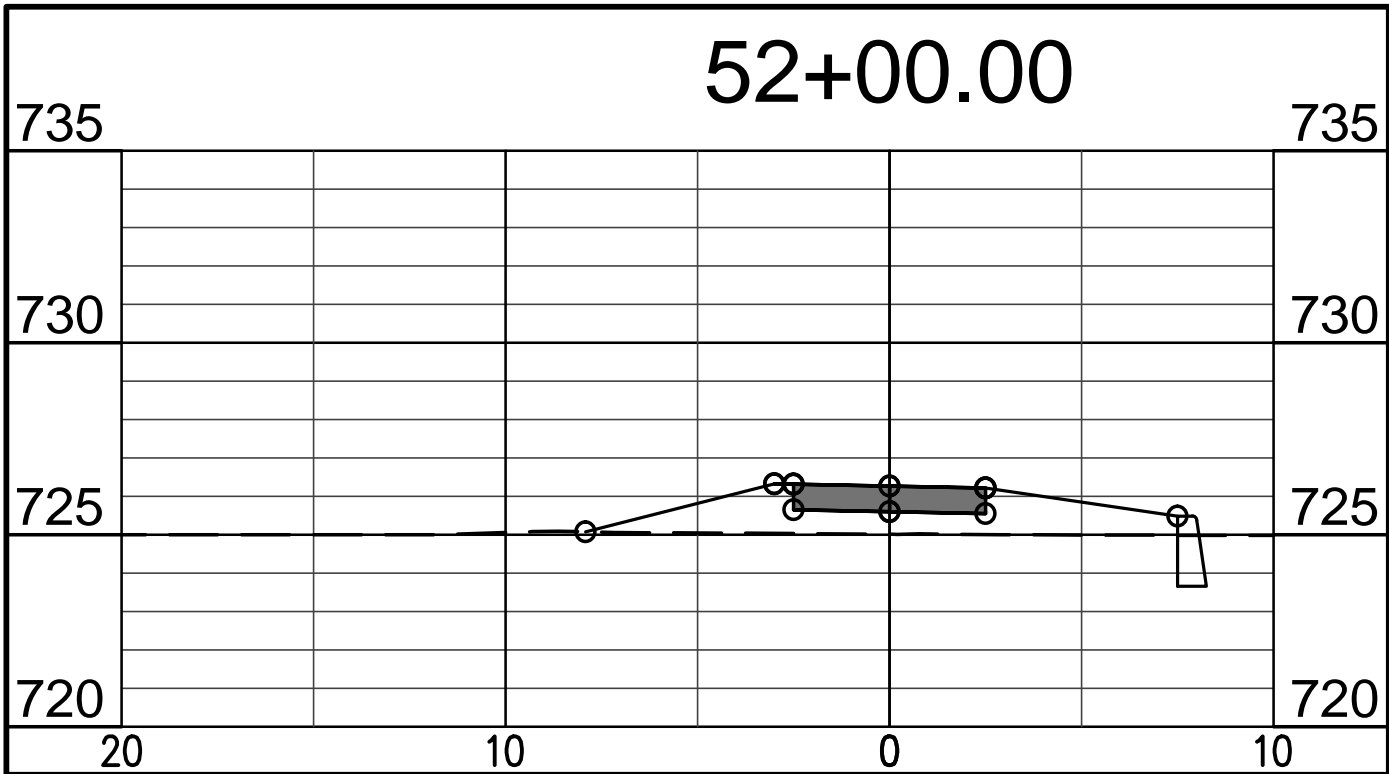
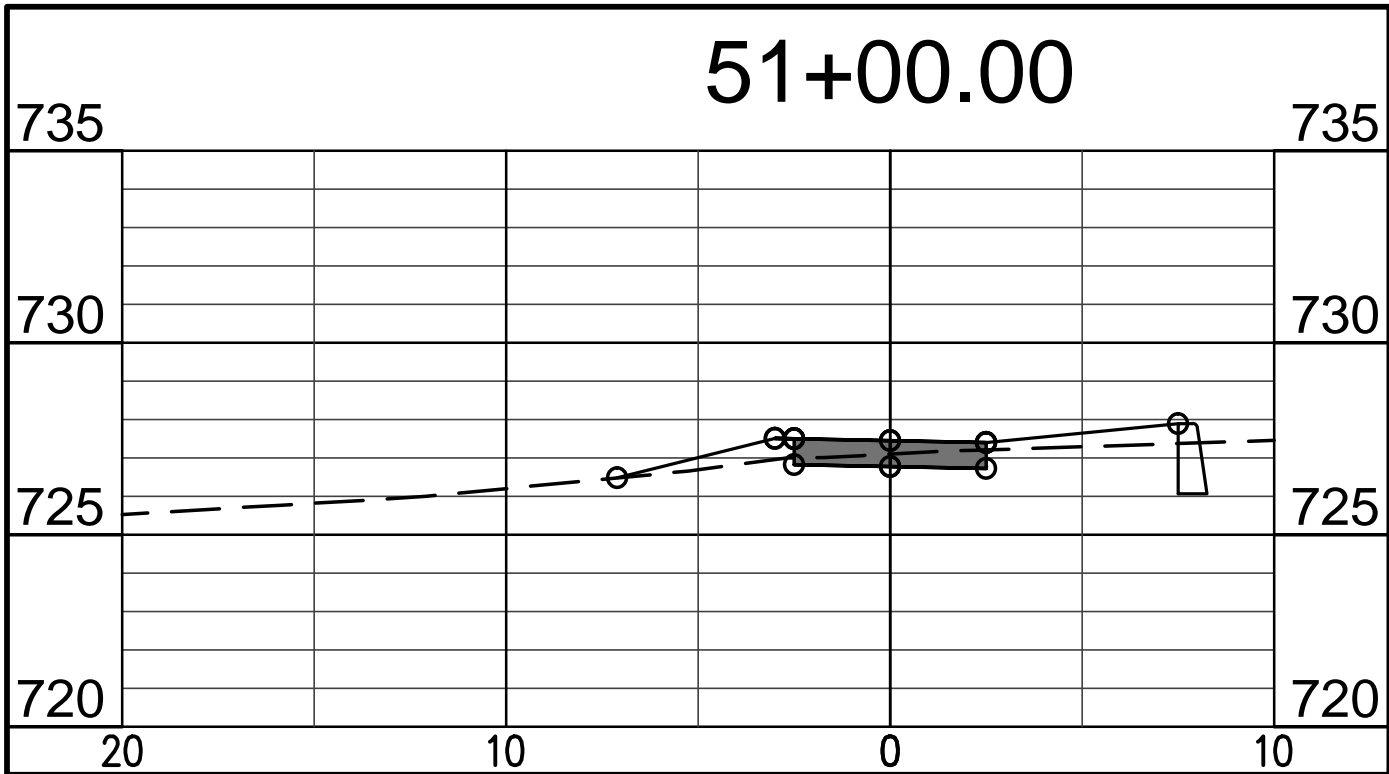
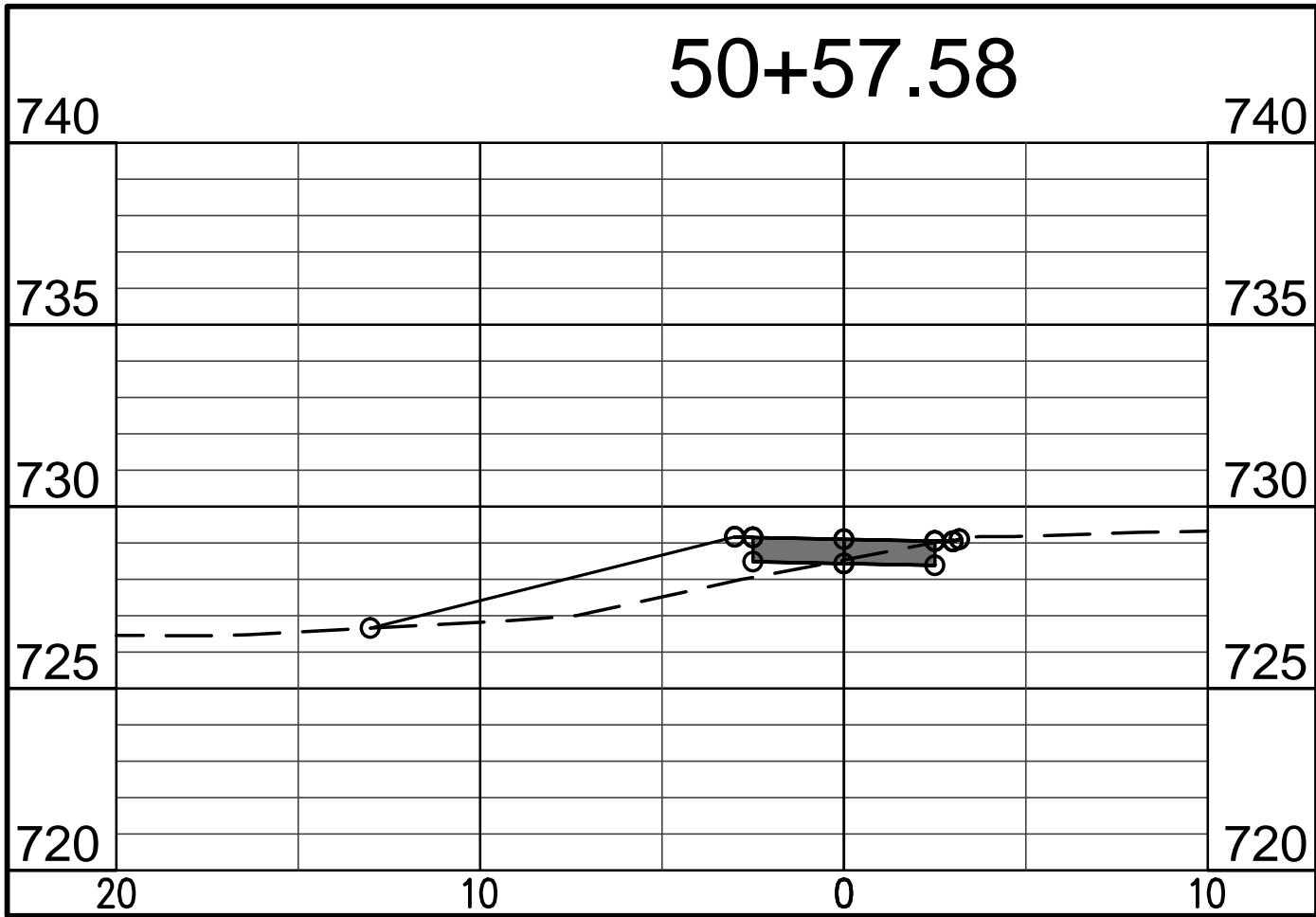
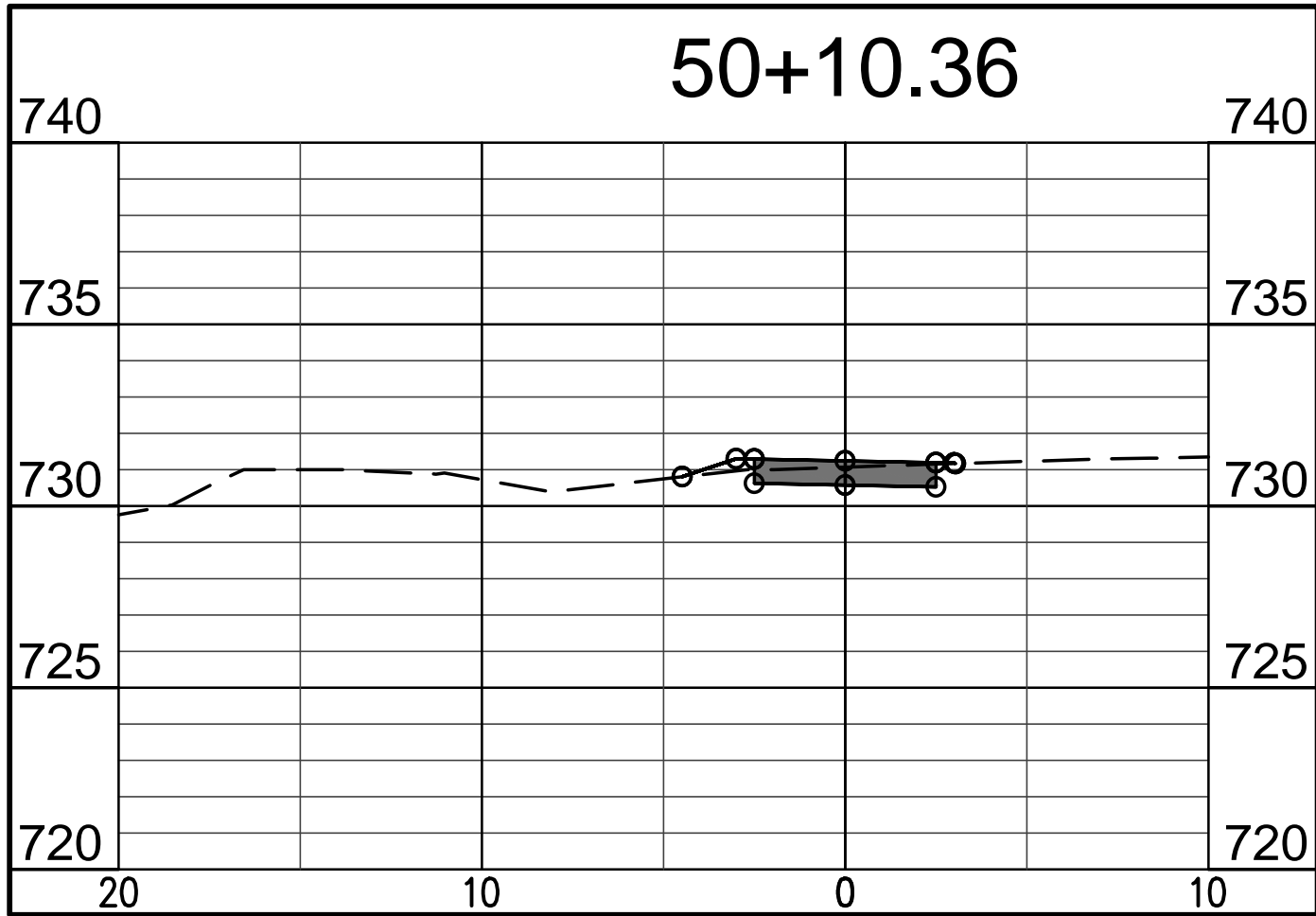
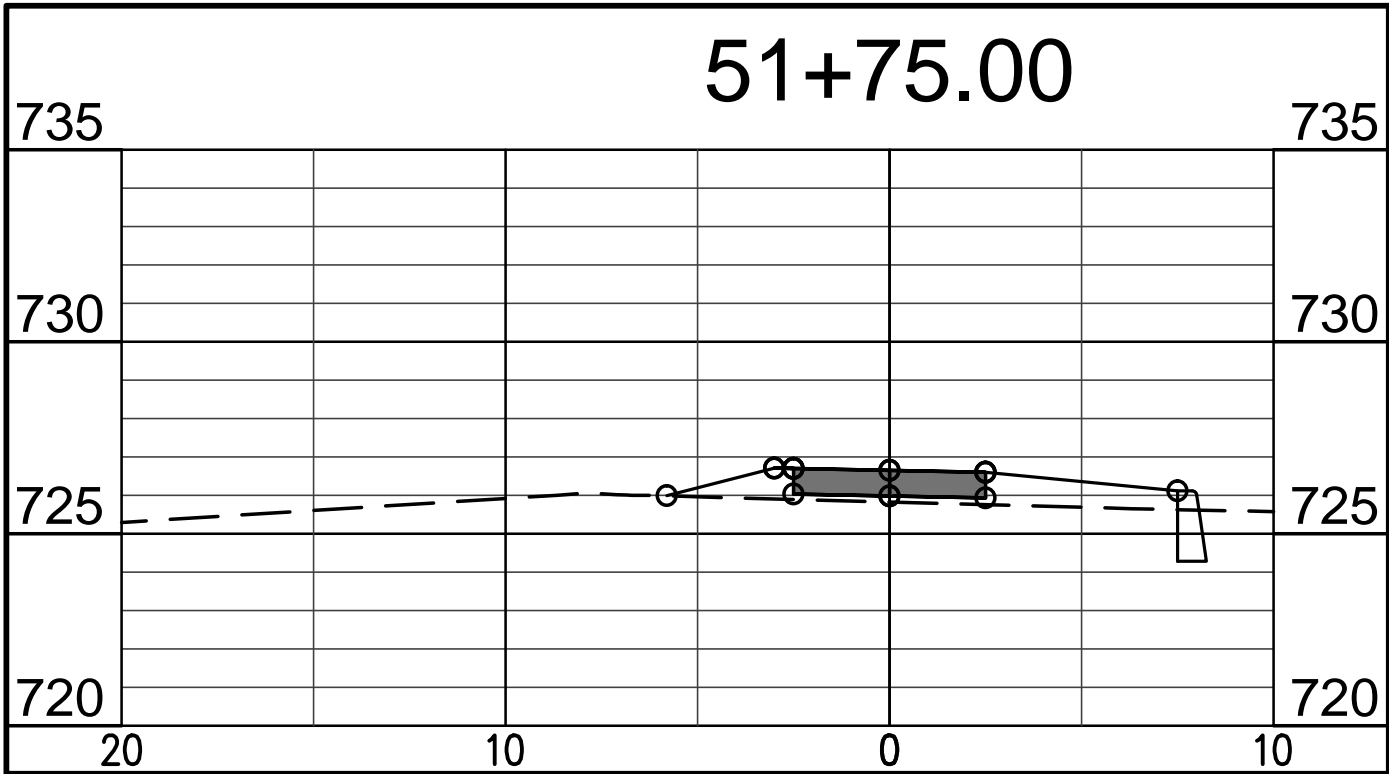
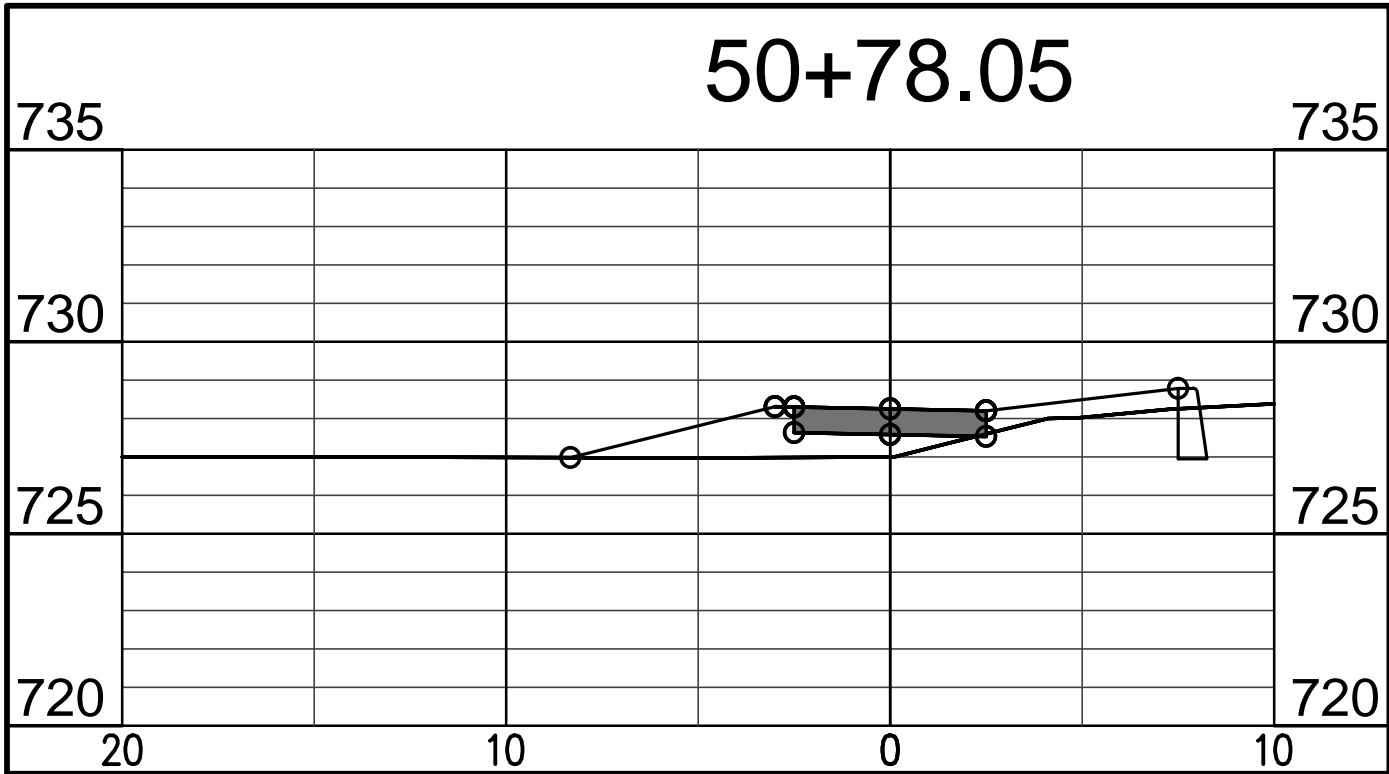
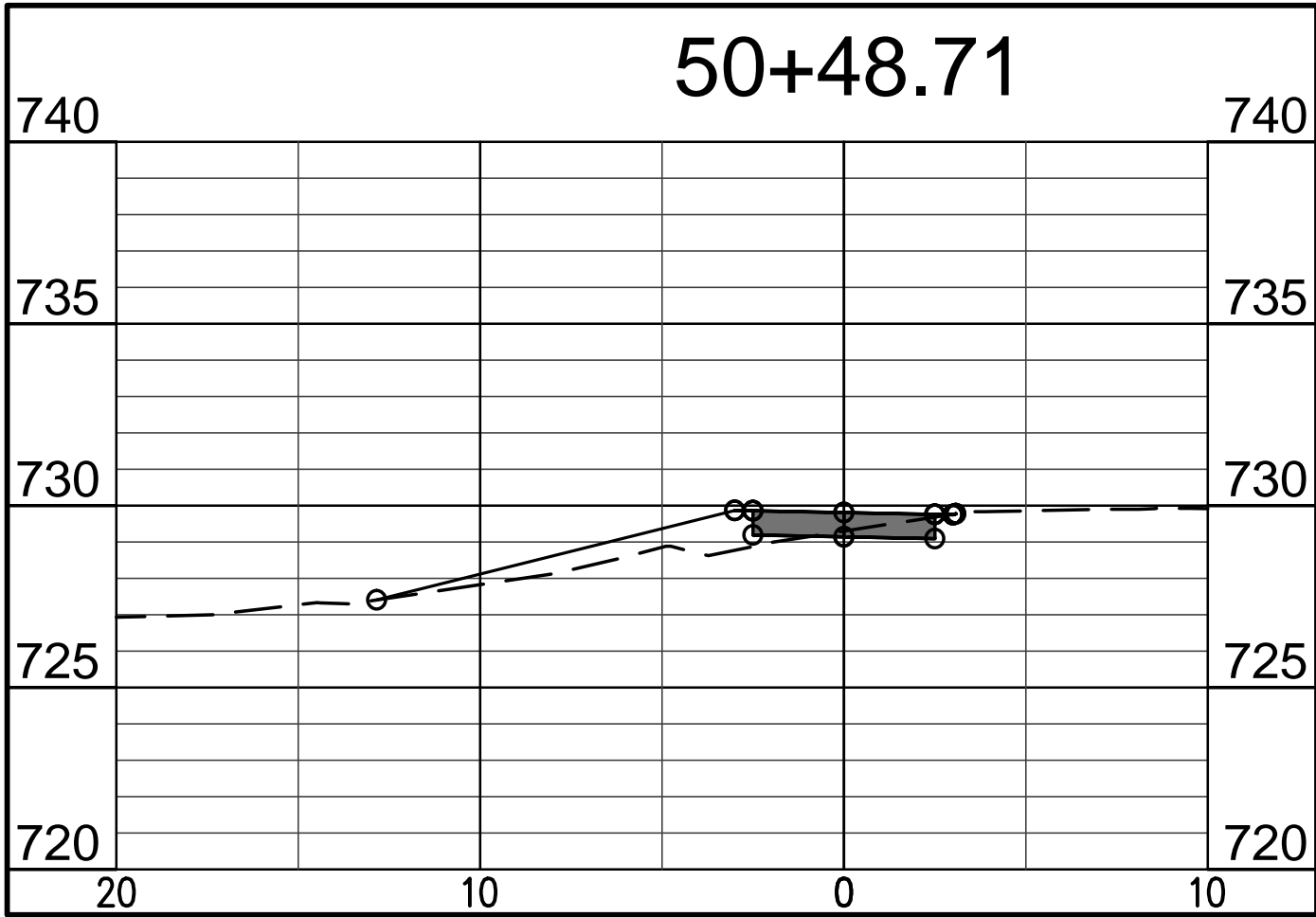
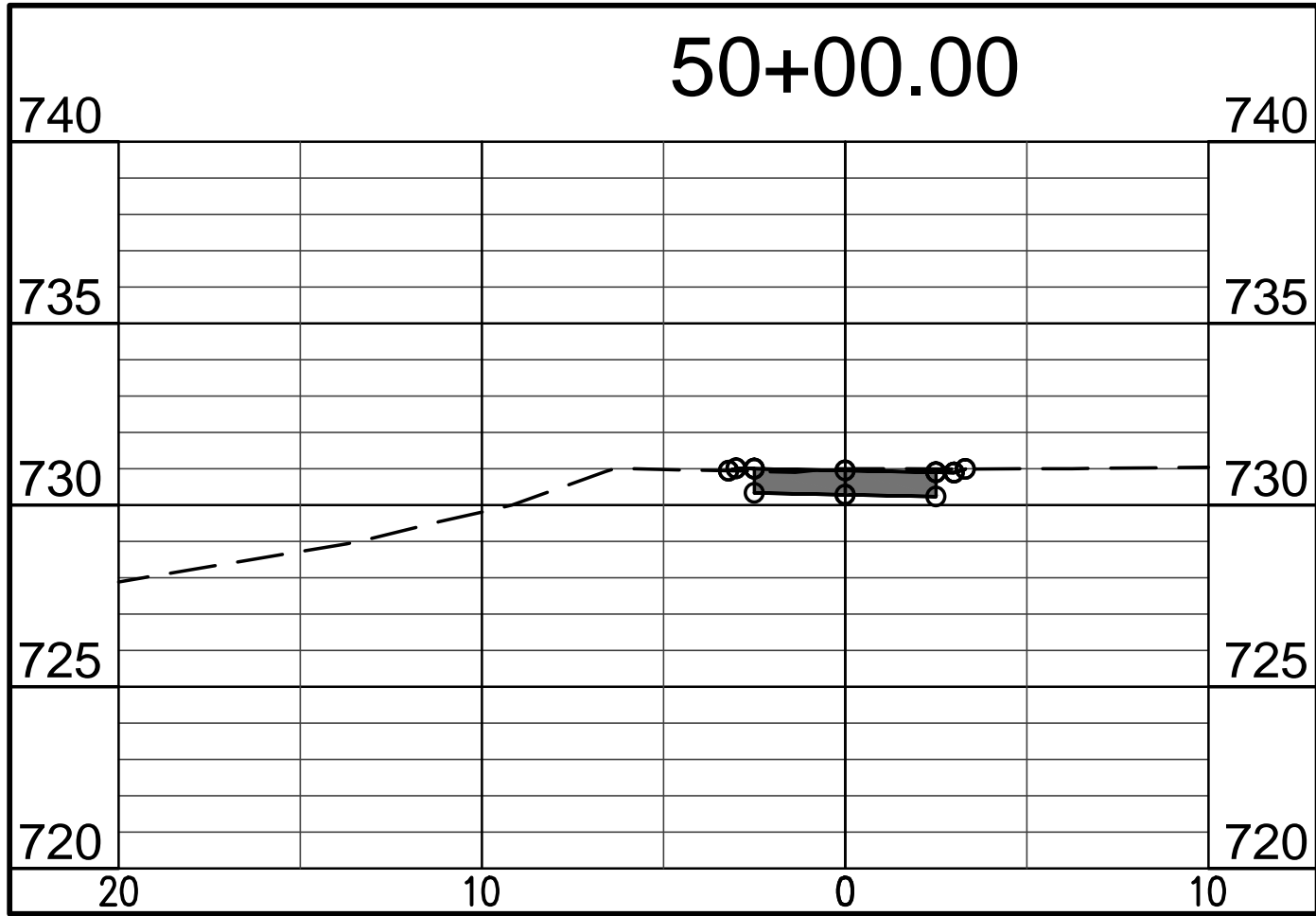
bloomington, indiana
(812) 339-2990 (Fax)

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER
11-28-17
certified by [Signature]

PROPOSED
KINSEY PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: LINE PR-3 PLAN & PROFILE

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C302
project no.: 401751



Scale: 1" = 5' HORZ
1" = 5' VERT.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING
bloomington, indiana
(812) 339-2990 (Fax)

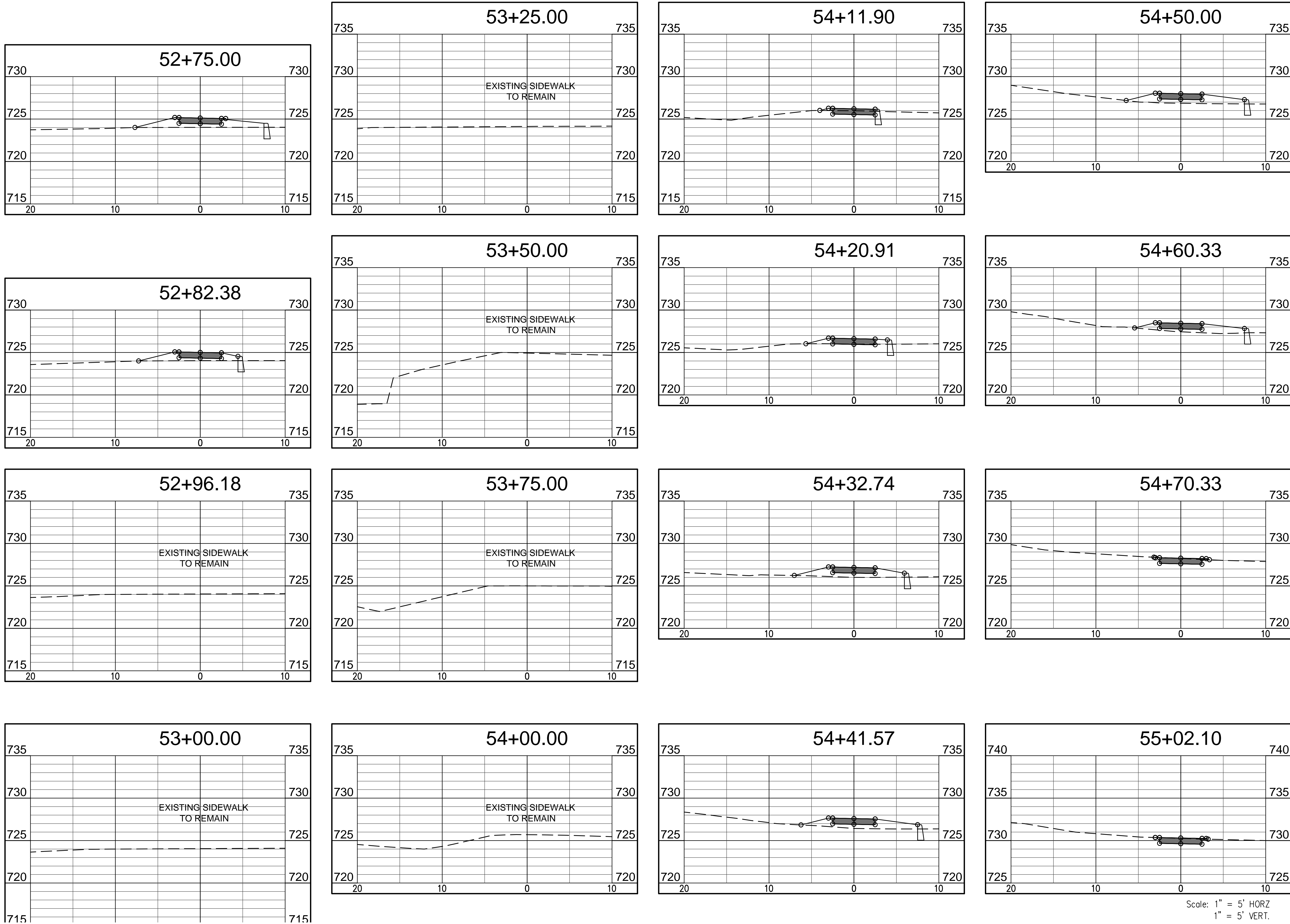
BYNUM FANYO & ASSOCIATES, INC.
528 north walnut street
(812) 332-8030

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER
11-28-17
certified by *[Signature]*

PROPOSED
KINSEY PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: LINE PR-3 CROSS
SECTIONS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C401
project no.: 401751



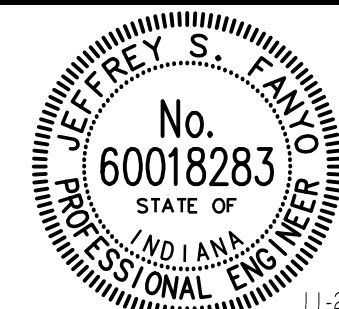
revisions:

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bloomington, indiana
(812) 339-2990 (Fax)

BYNUM FANYO & ASSOCIATES, INC.

528 north walnut street
(812) 332-8030

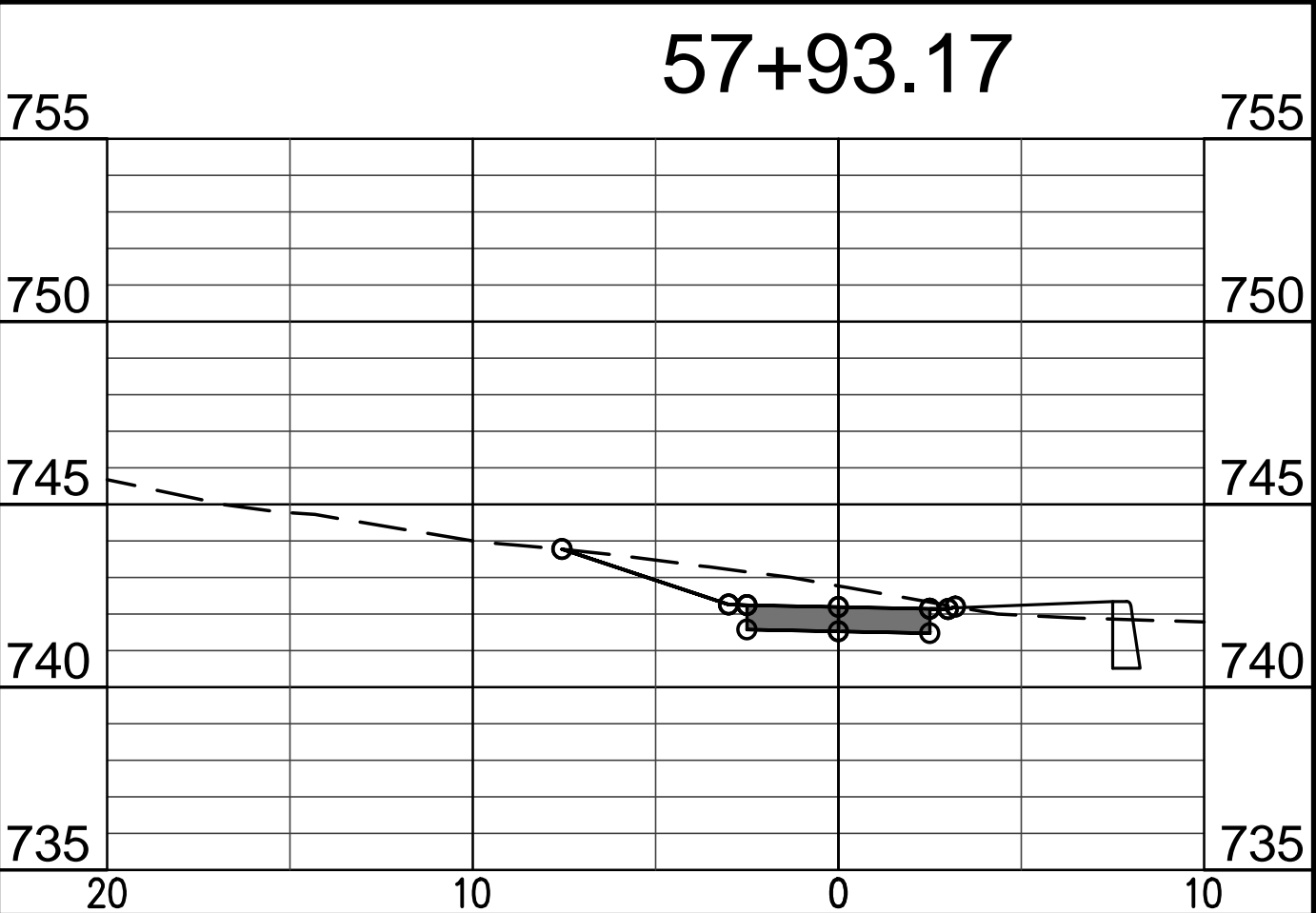
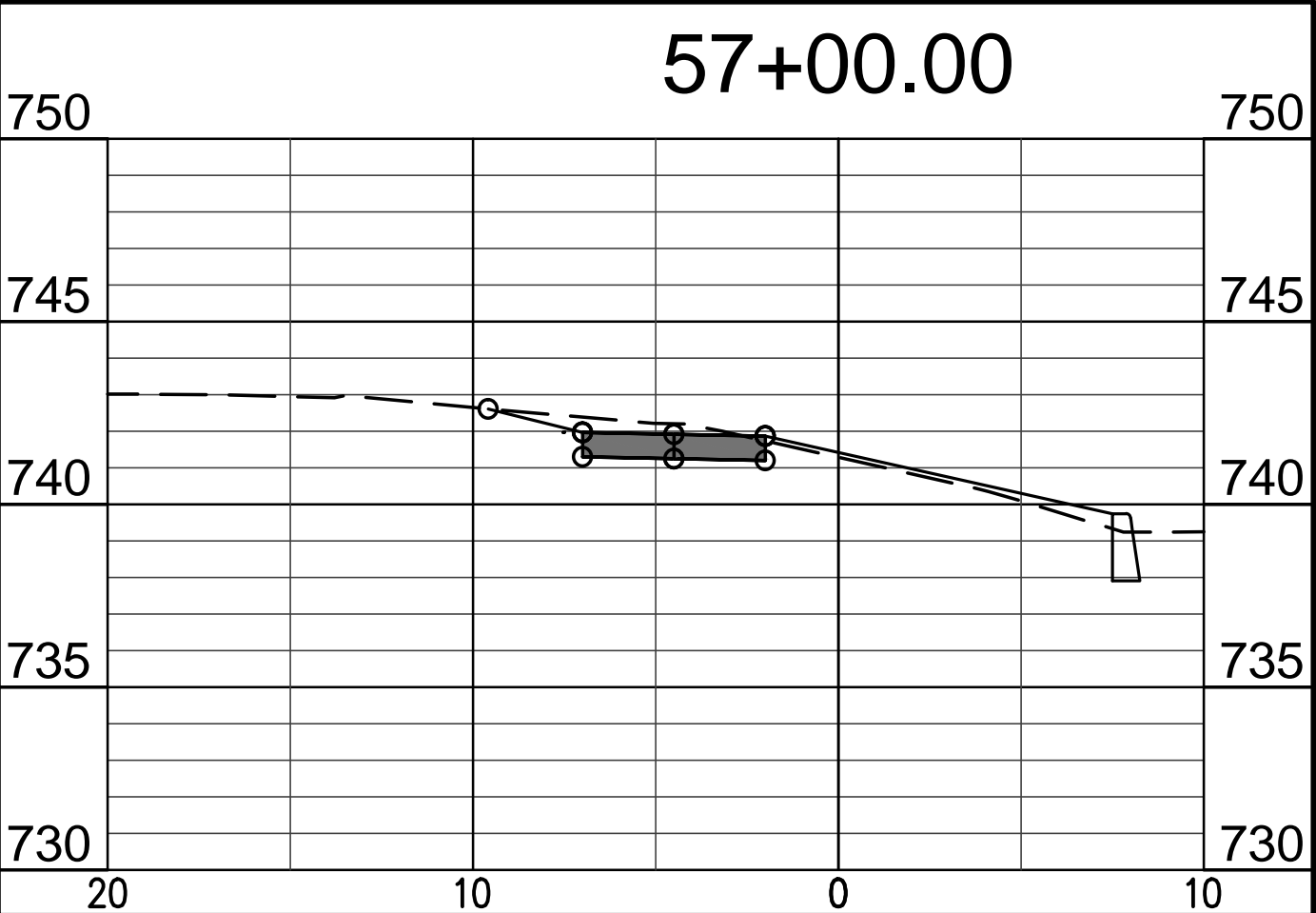
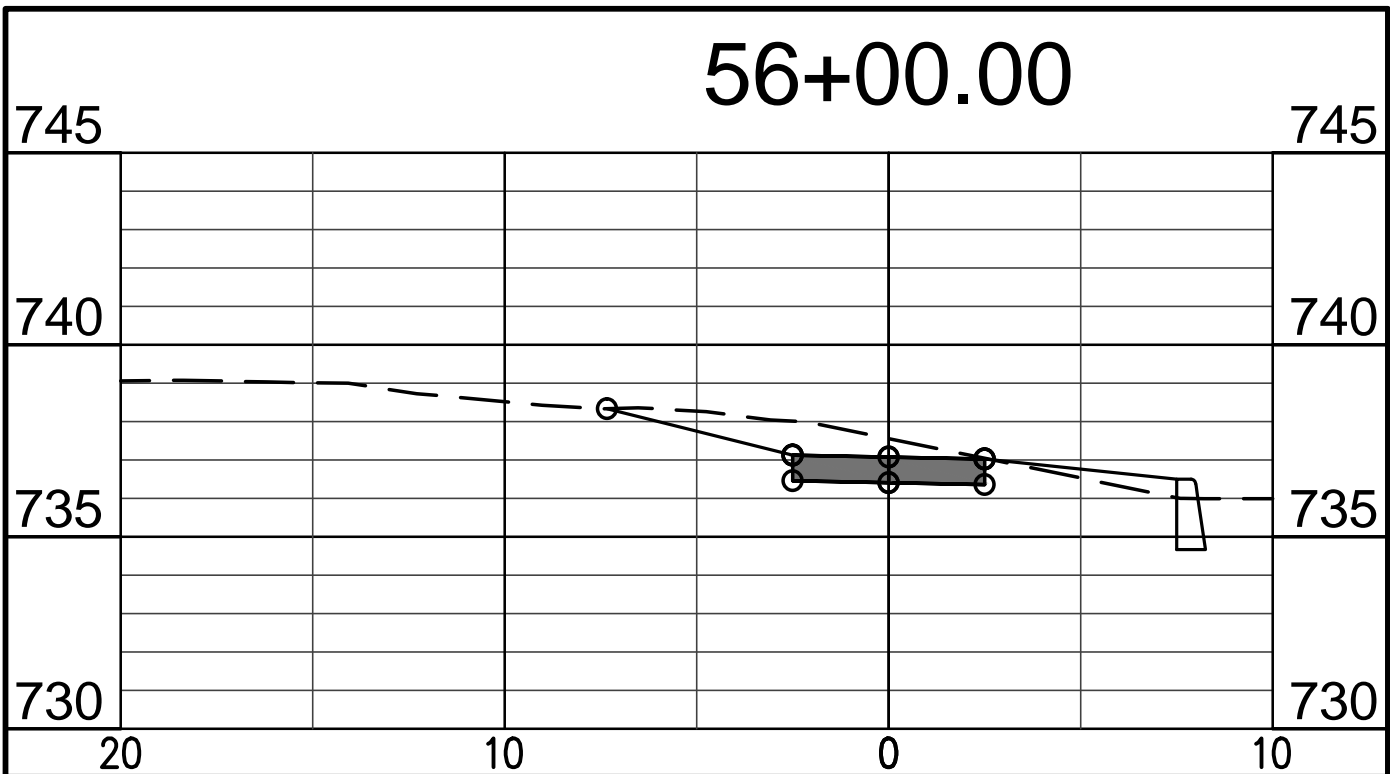
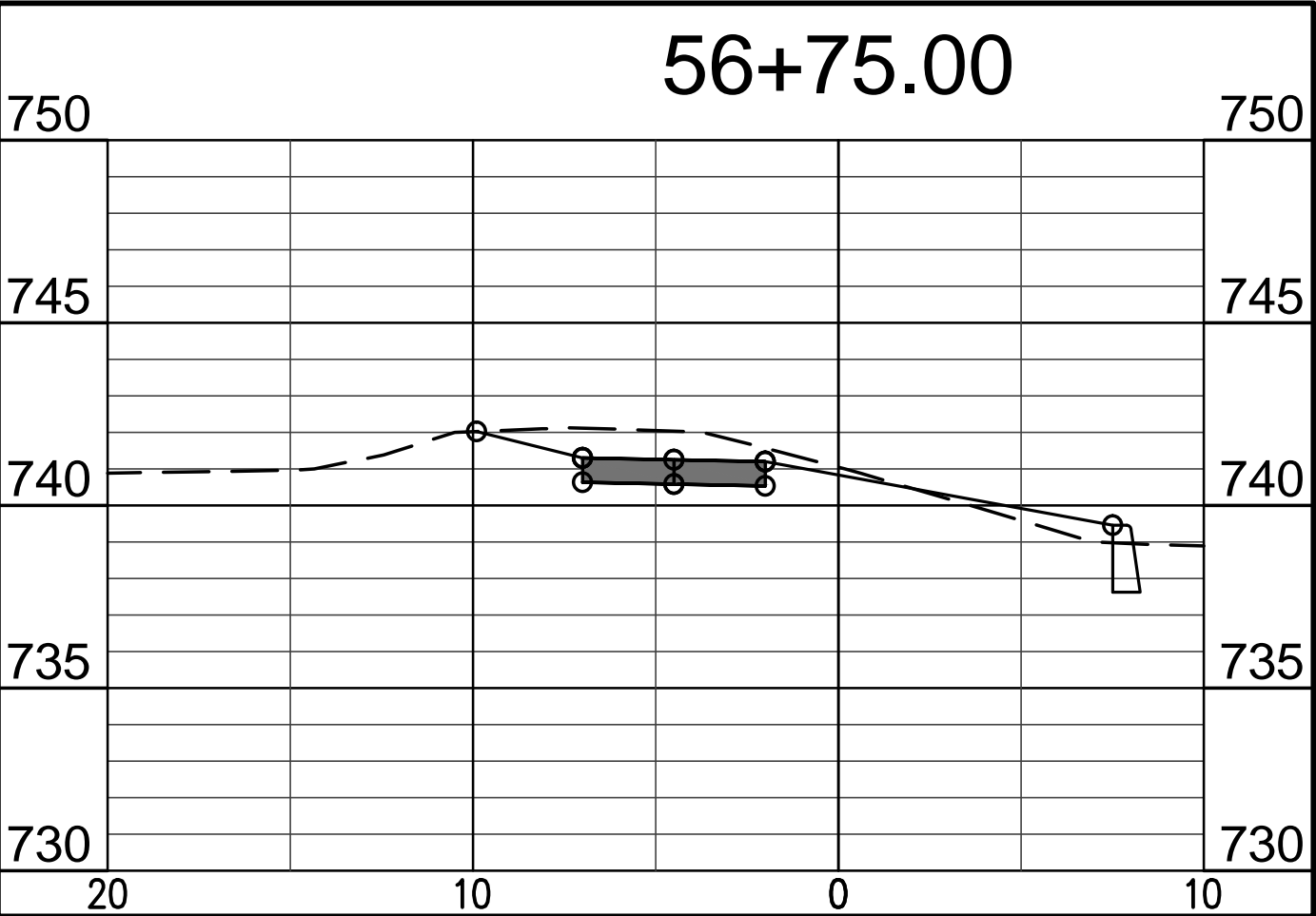
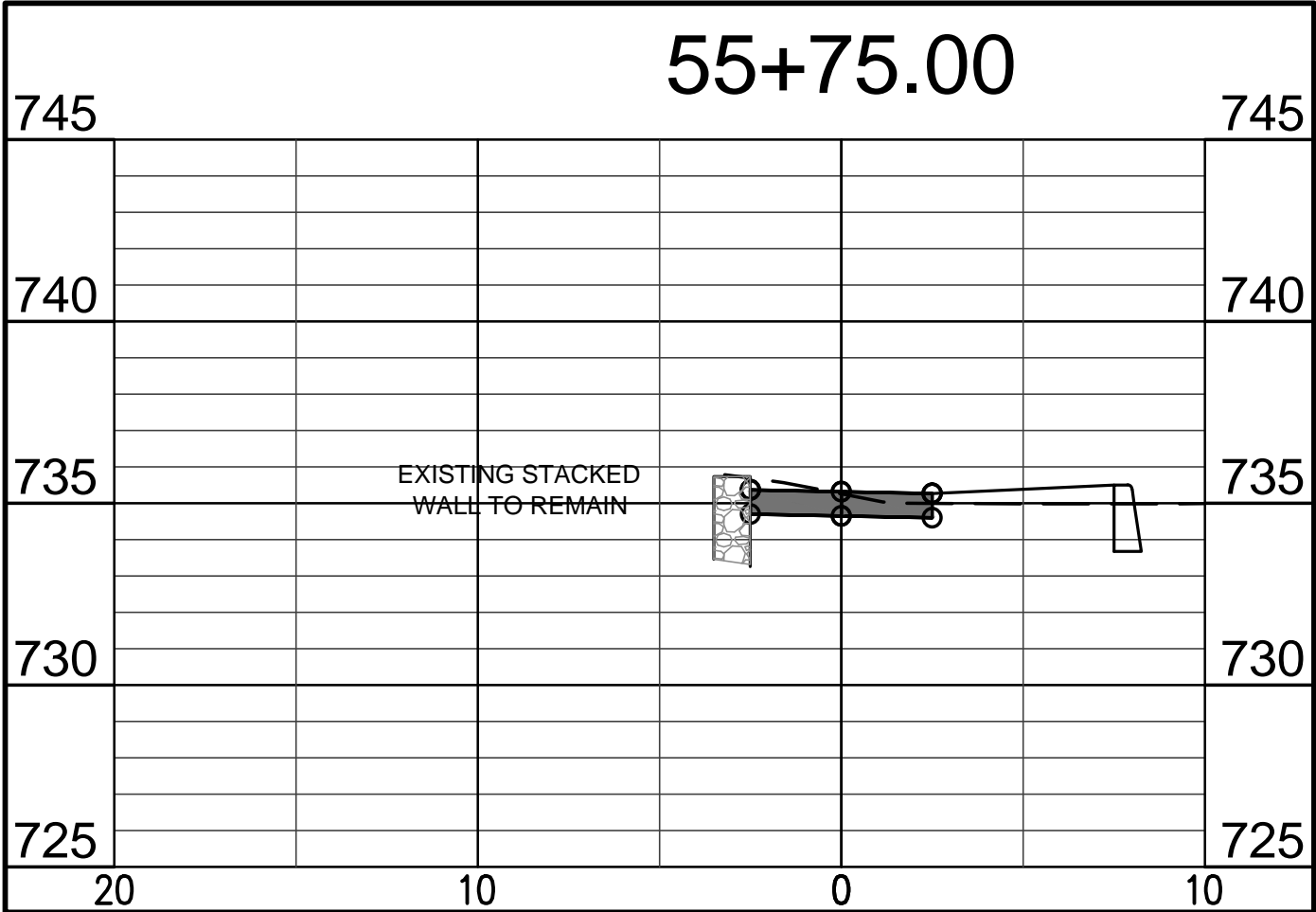
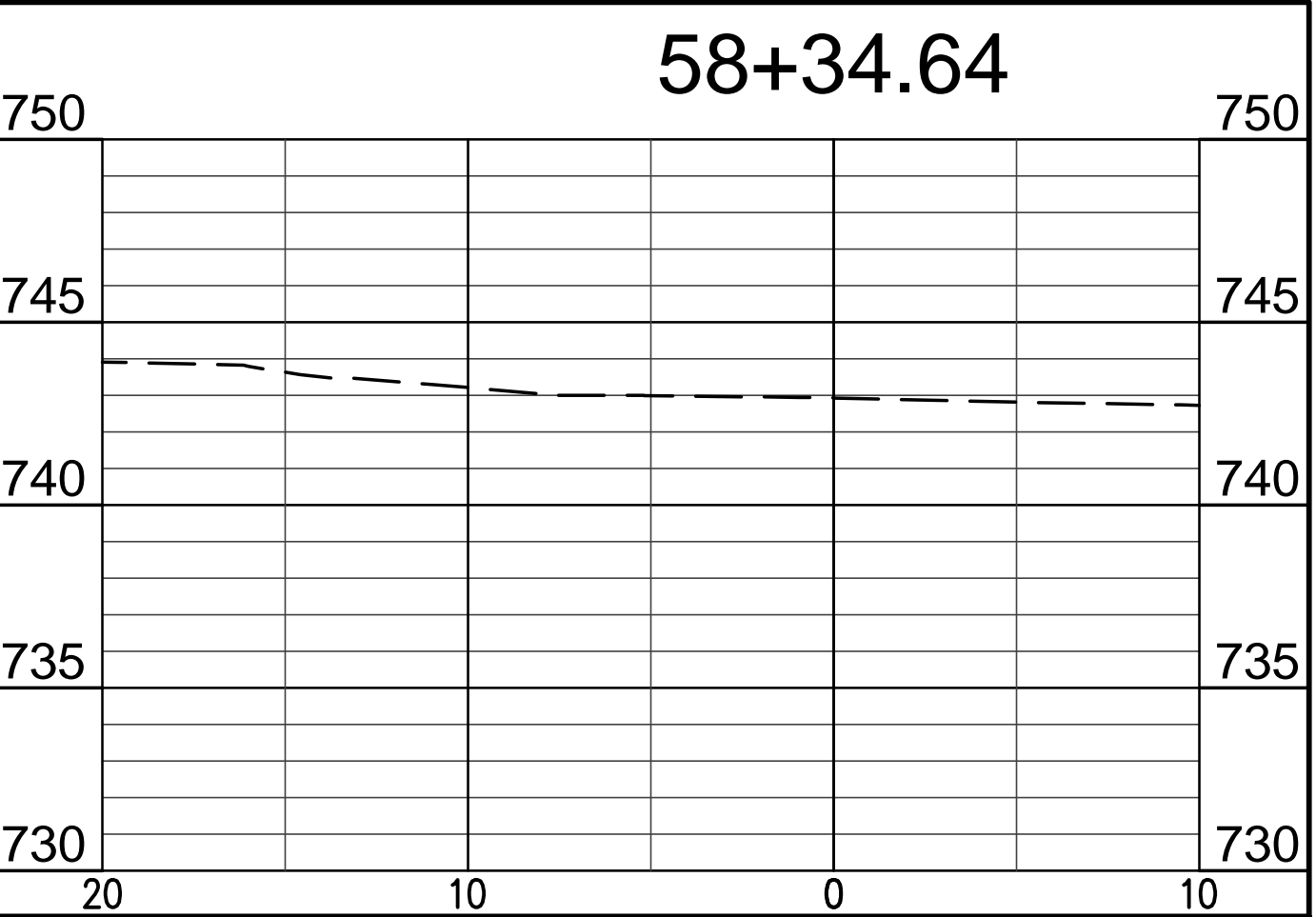
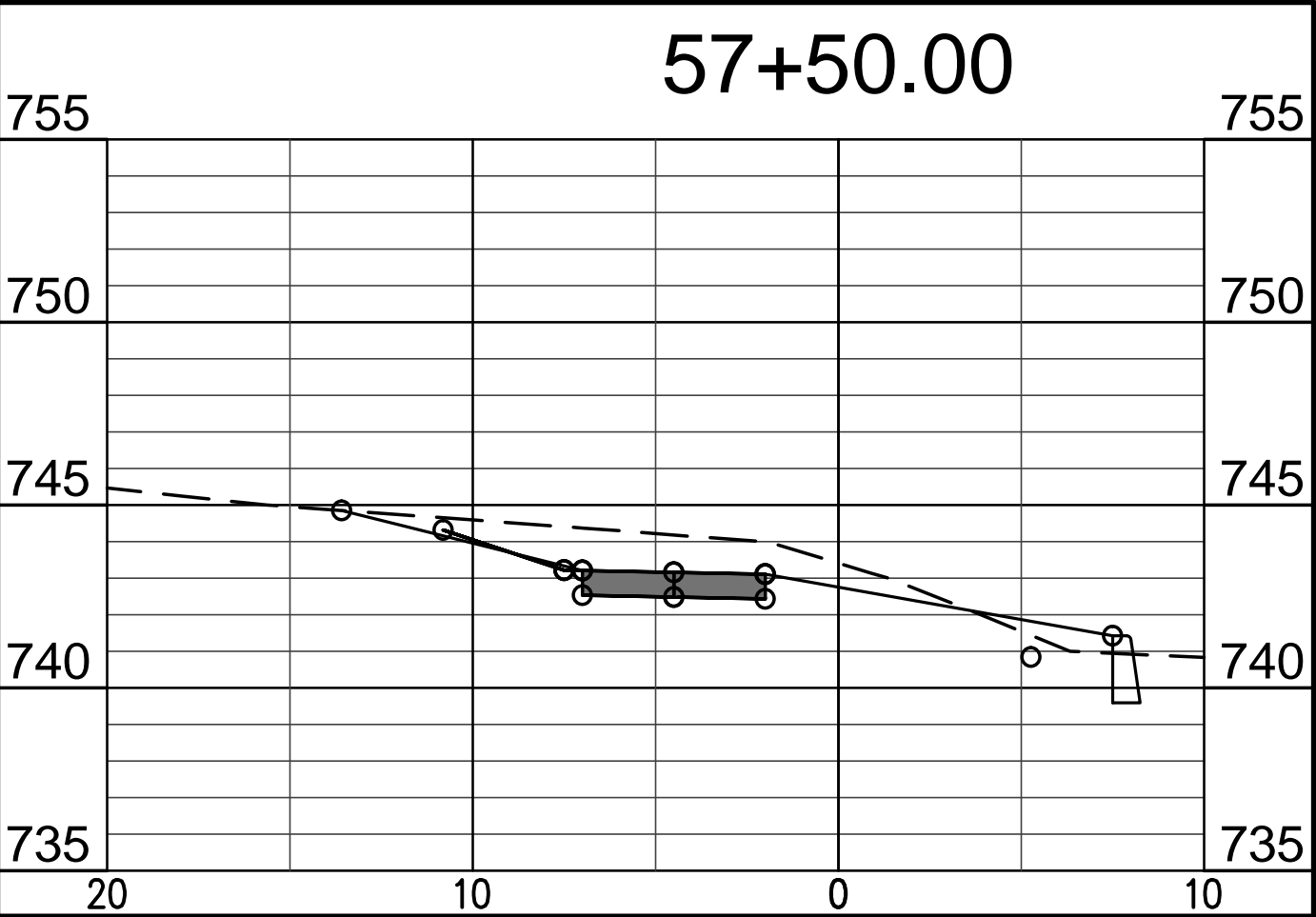
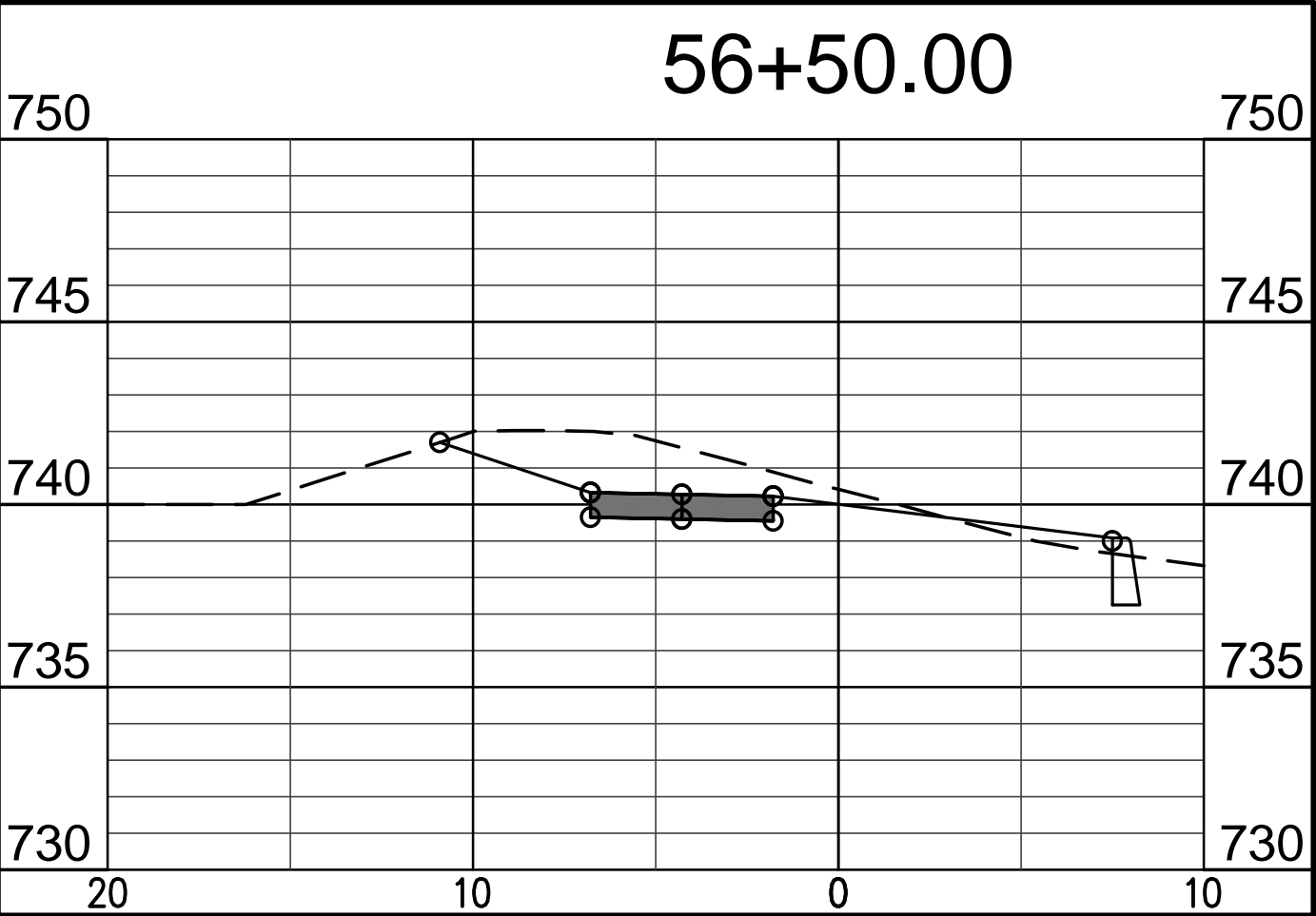
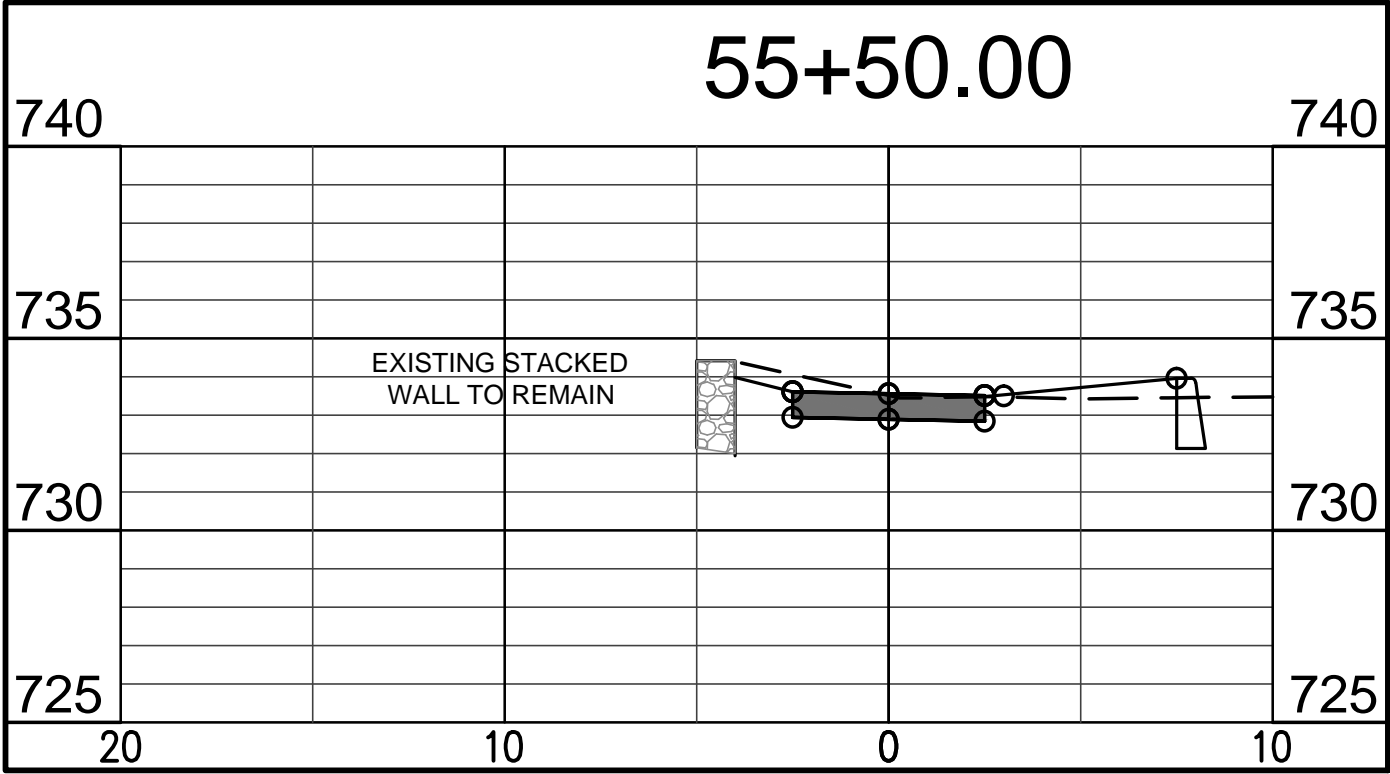
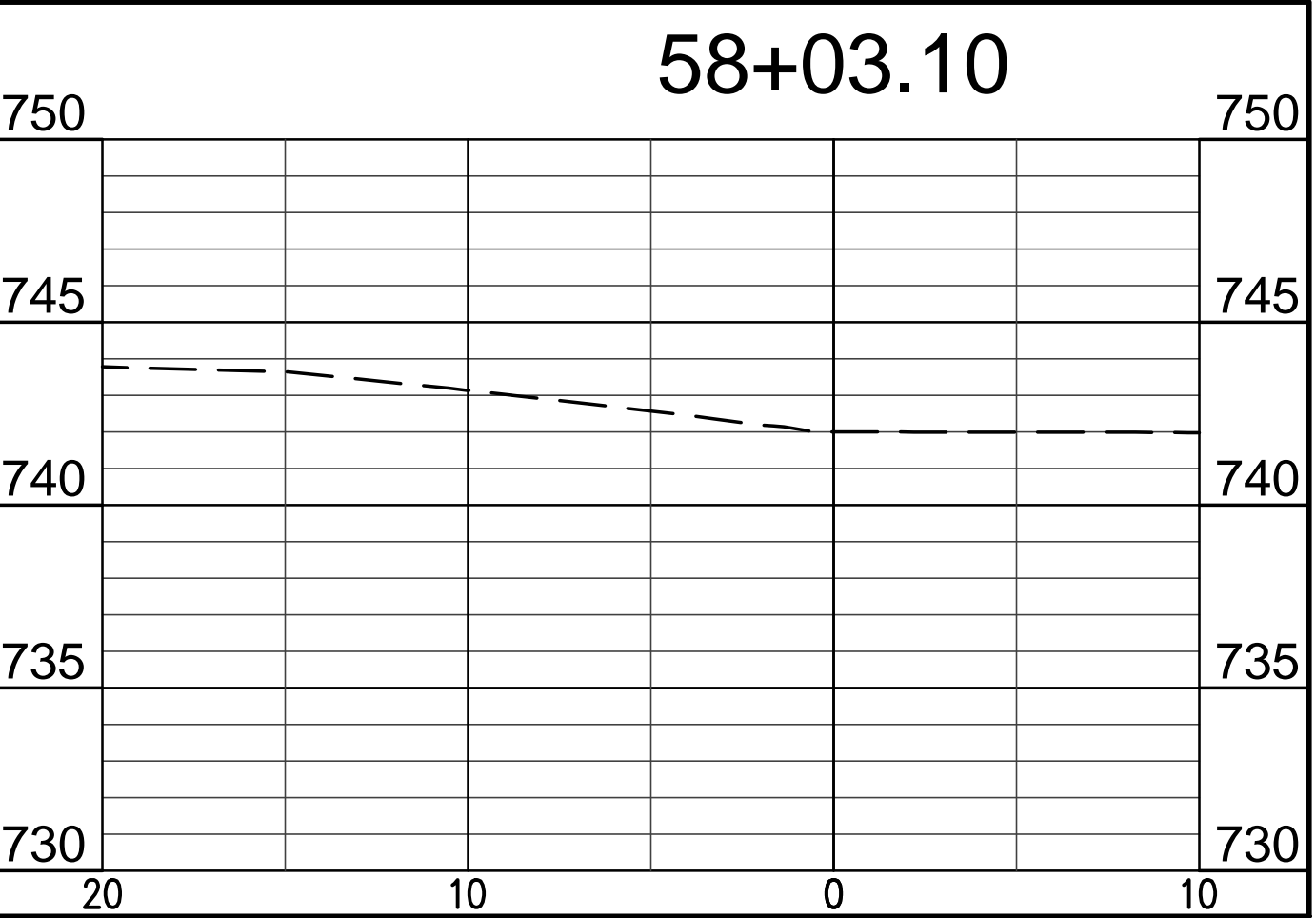
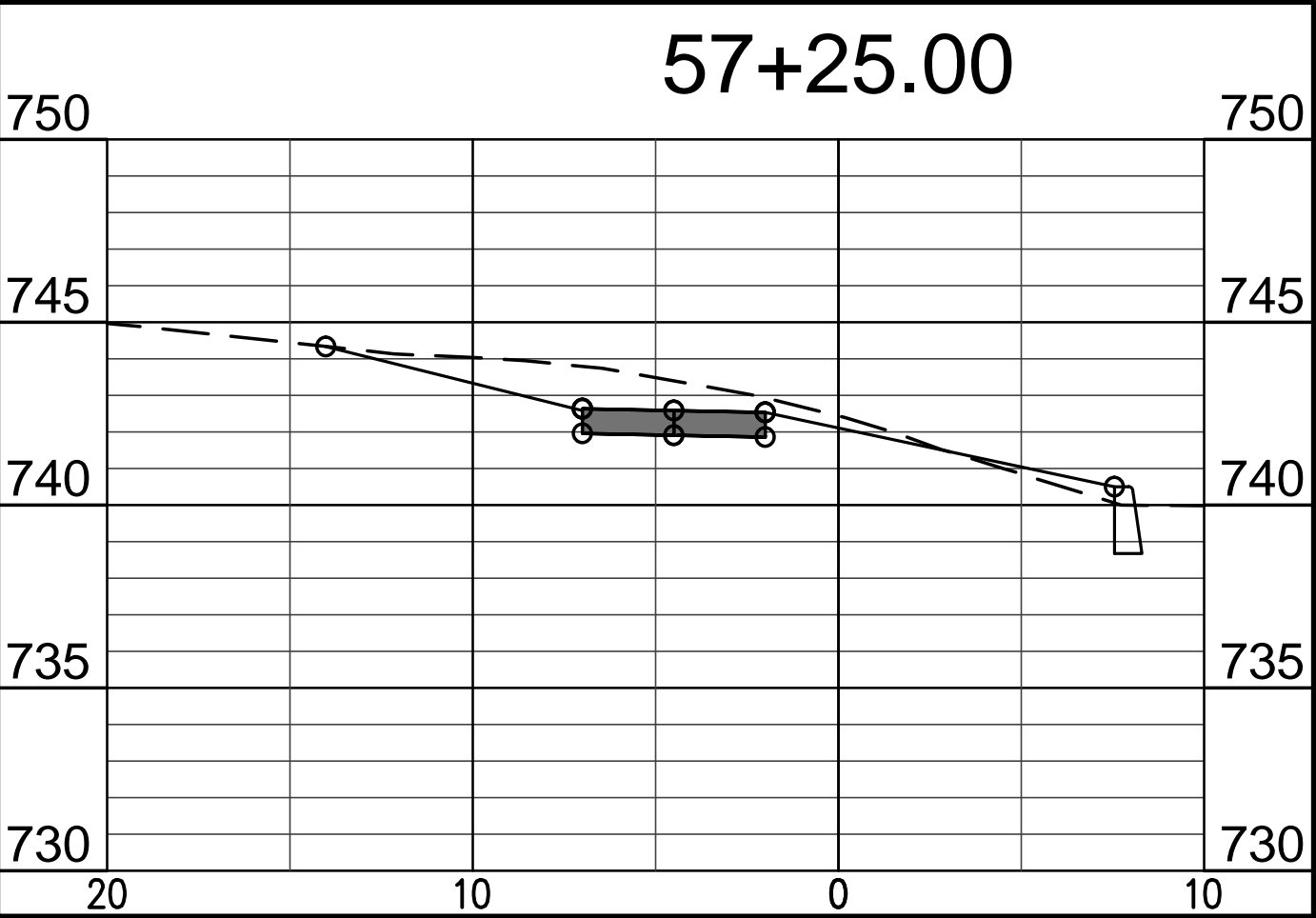
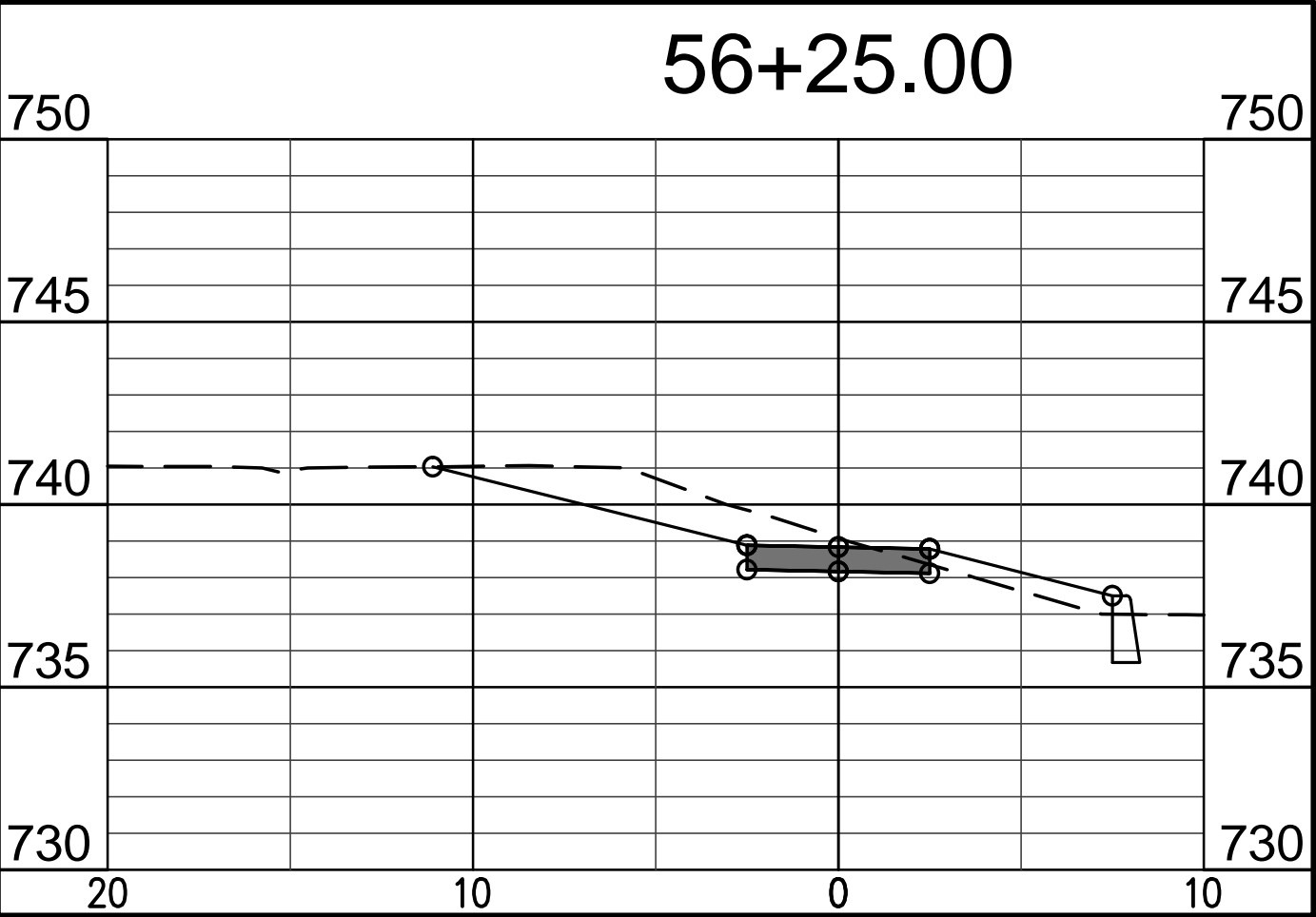
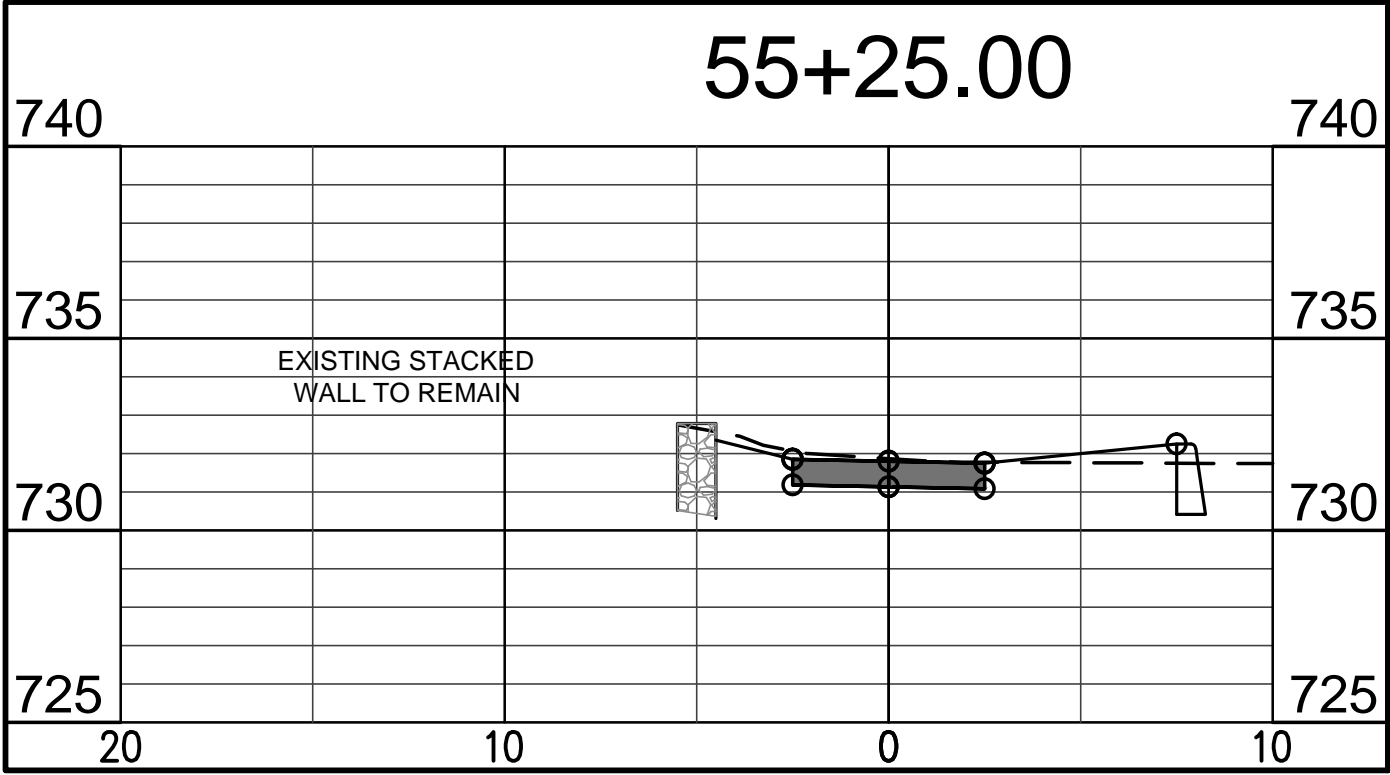


certified by

PROPOSED
KINSEY PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: LINE PR-3 CROSS
SECTIONS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no.: C402
project no.: 401751



Scale: 1" = 5' HORZ
1" = 5' VERT.

revisions:

ARCHITECTURE
CIVIL ENGINEERING
PLANNING

BYNUM FANYO & ASSOCIATES, INC.

528 north walnut street
(812) 332-8030

bloomington, indiana
(812) 339-2990 (Fax)

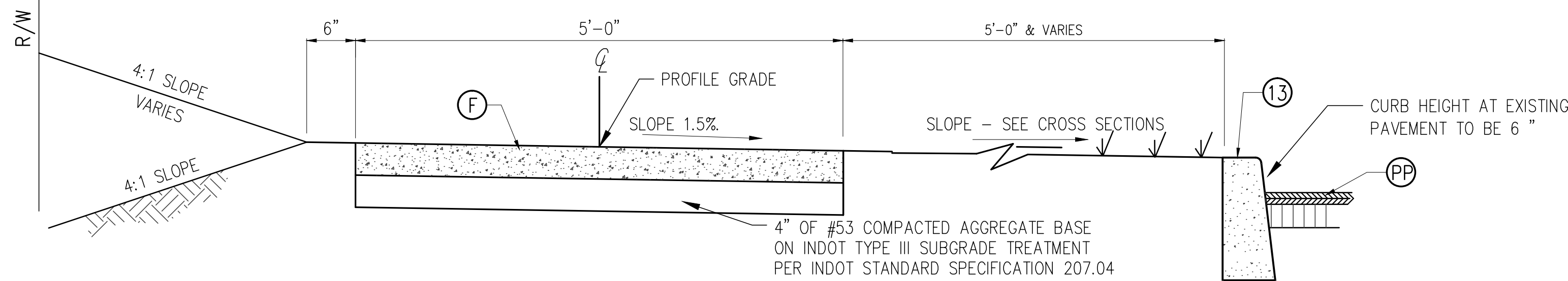
JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER

certified by *[Signature]*

PROPOSED
KINSER PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

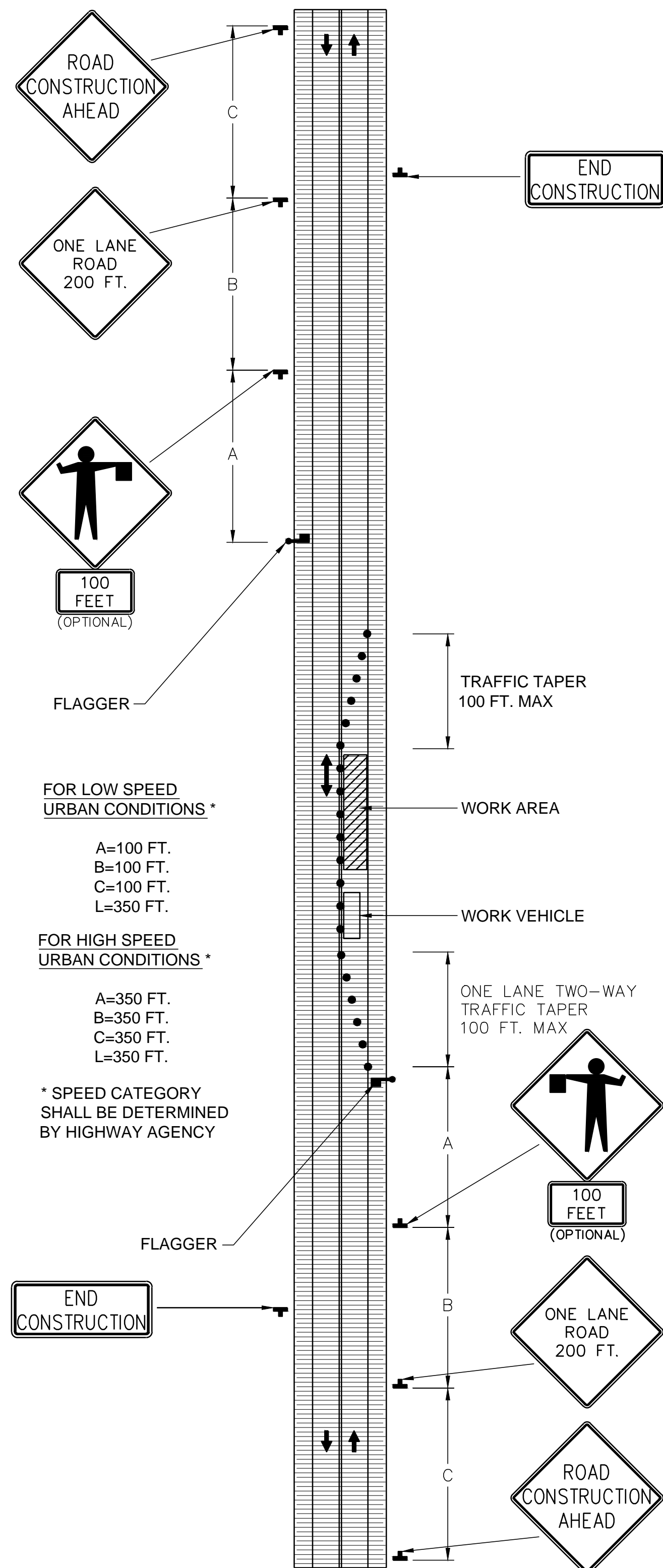
title: LINE PR-3 CROSS
SECTIONS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C403
project no.: 401751



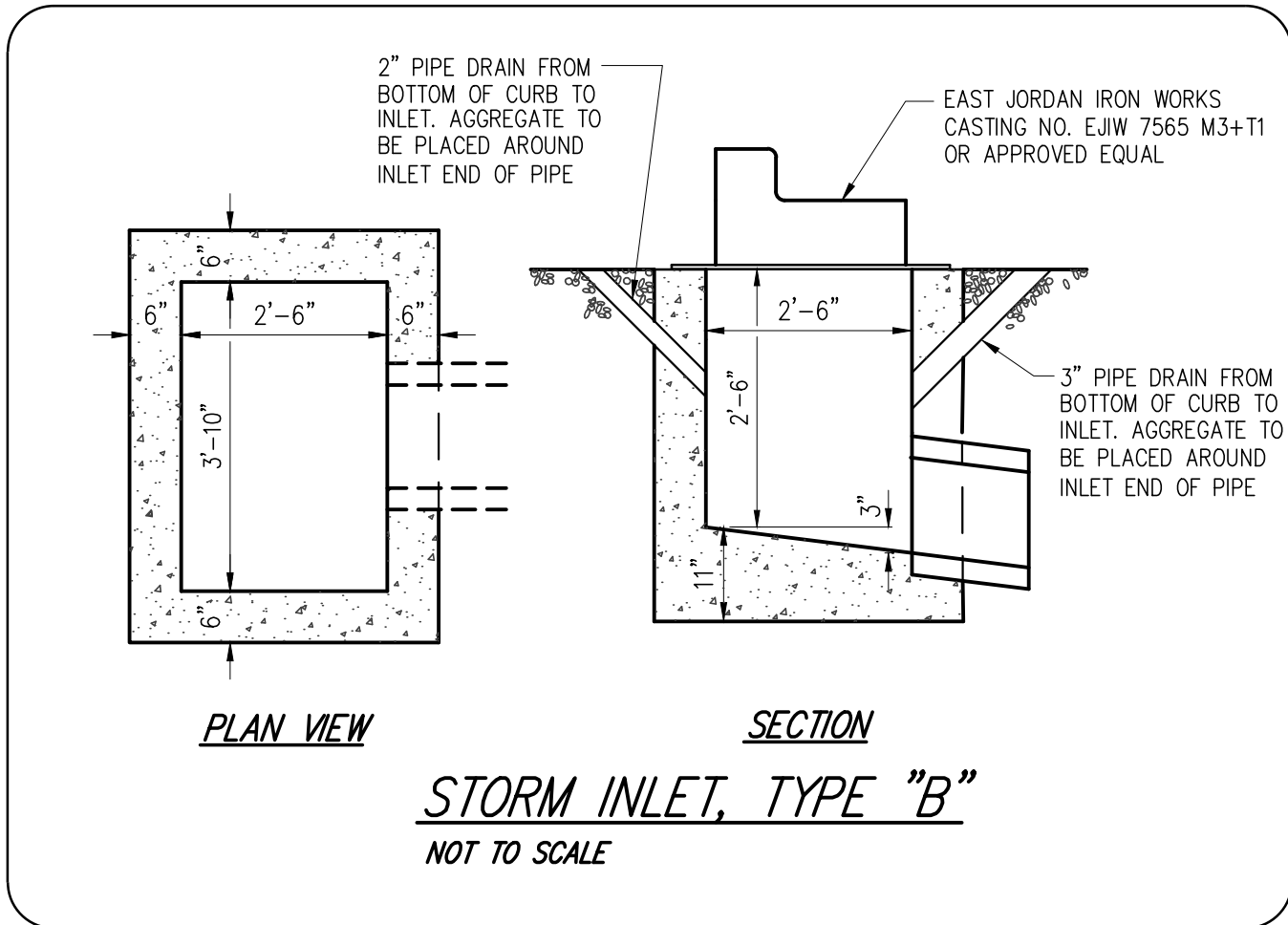
SIDEWALK CROSS SECTION

NOT TO SCALE



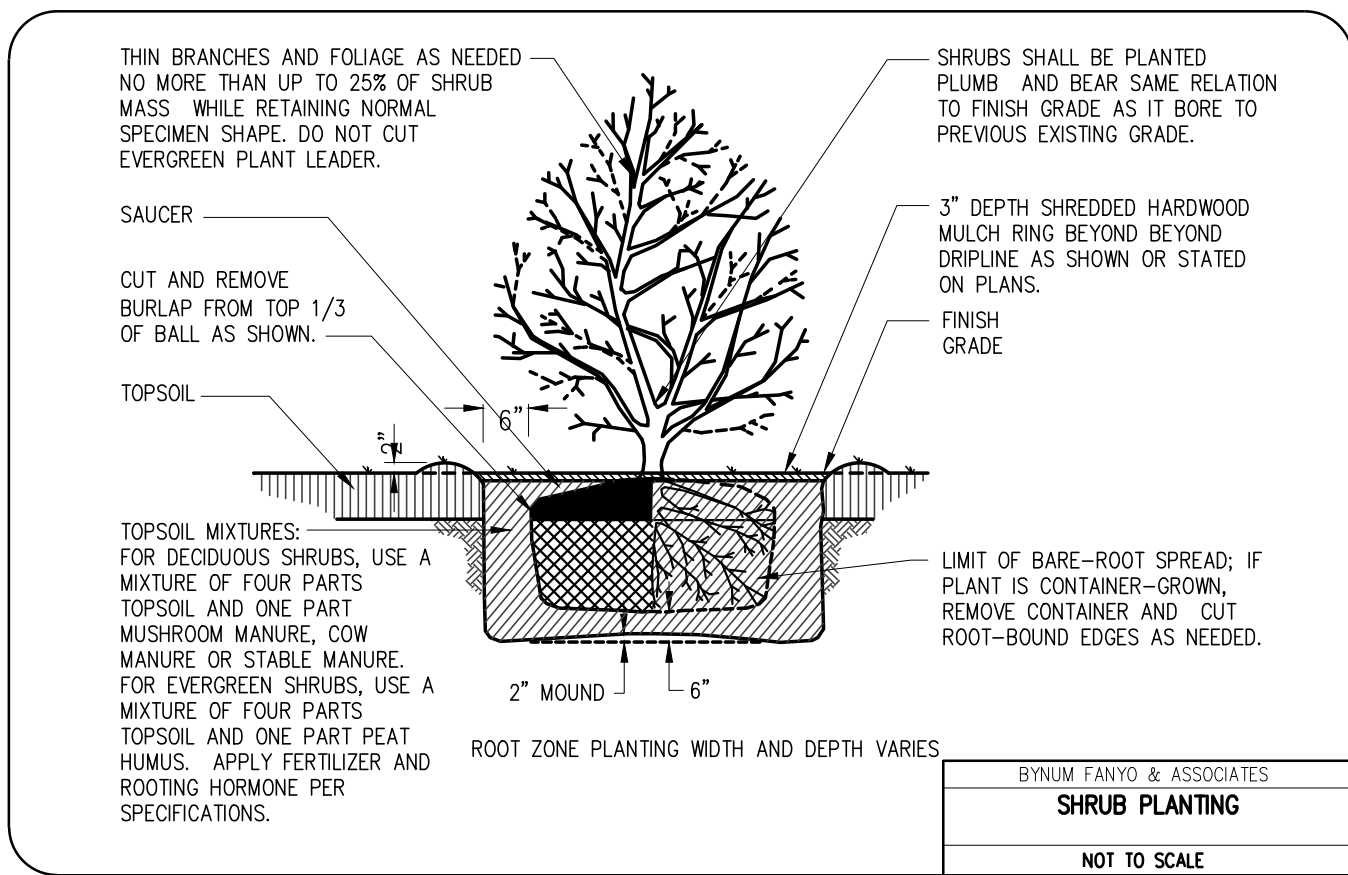
DETAIL - TRAFFIC CONTROL PLAN (AT TWO LANE ROAD)

NOT TO SCALE



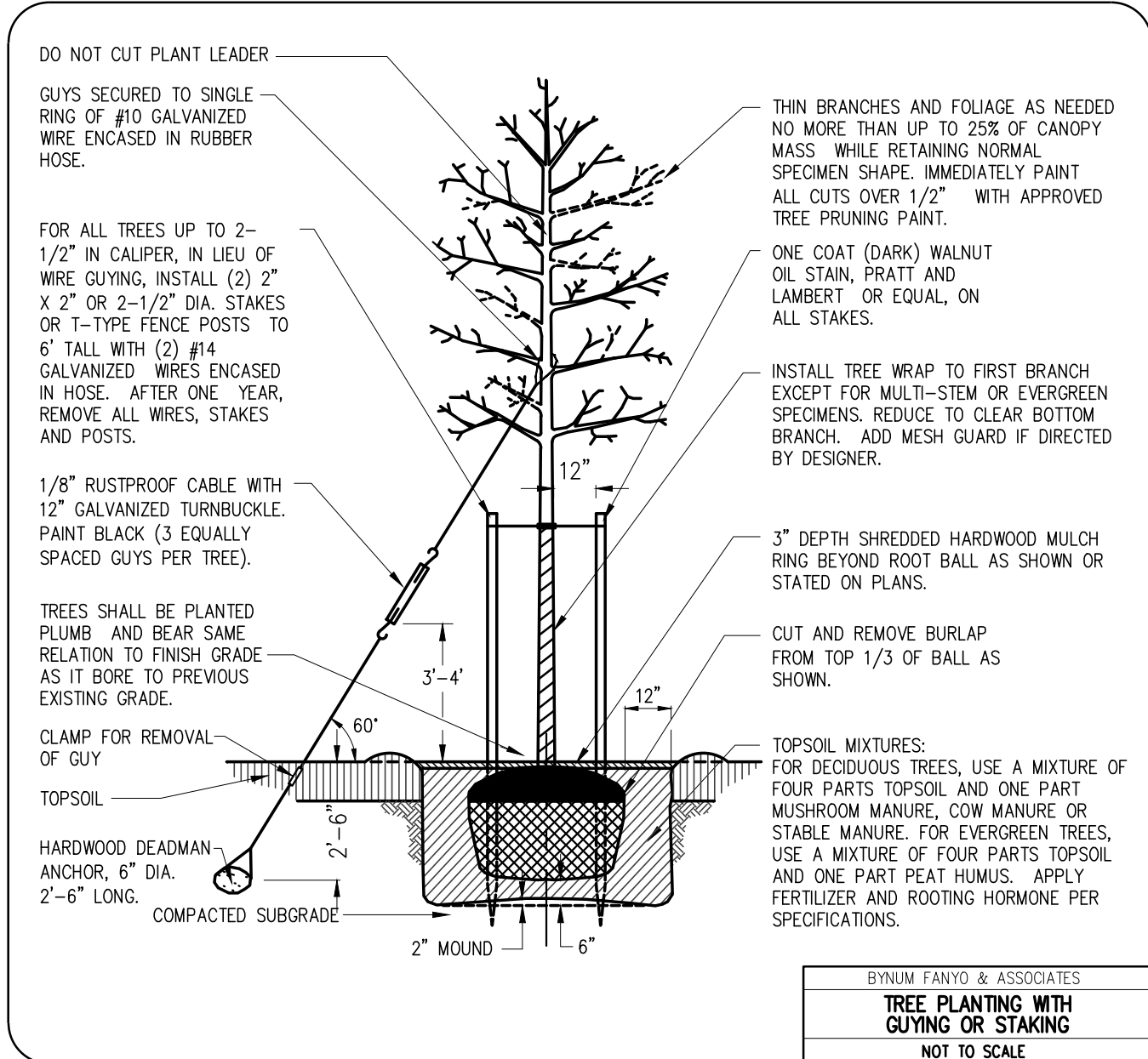
STORM INLET, TYPE "B"

NOT TO SCALE



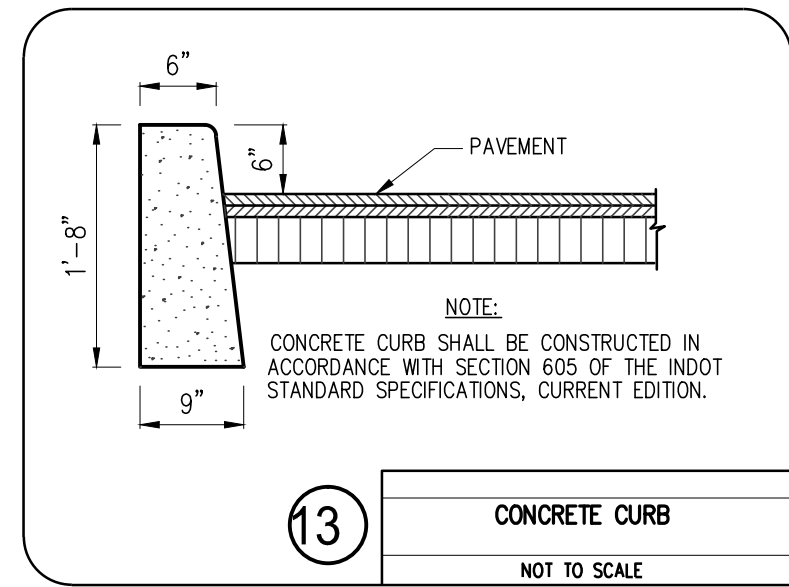
SHRUB PLANTING

NOT TO SCALE



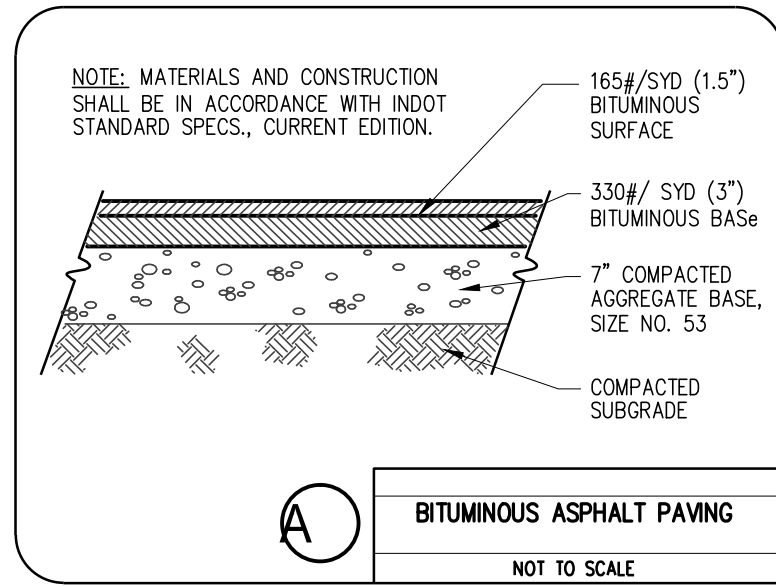
TREE PLANTING WITH GUYS OR STAKES

NOT TO SCALE



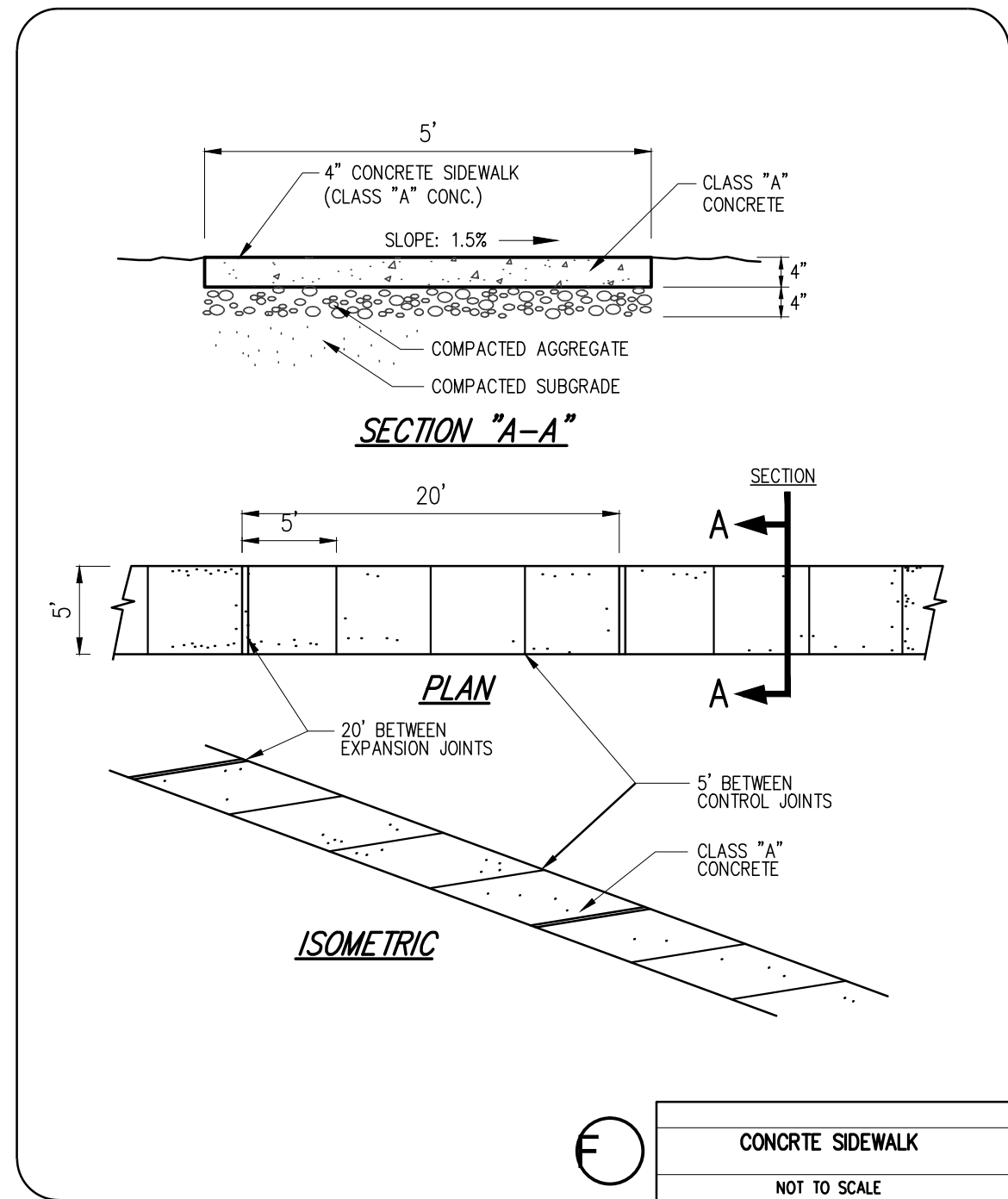
CONCRETE CURB

NOT TO SCALE



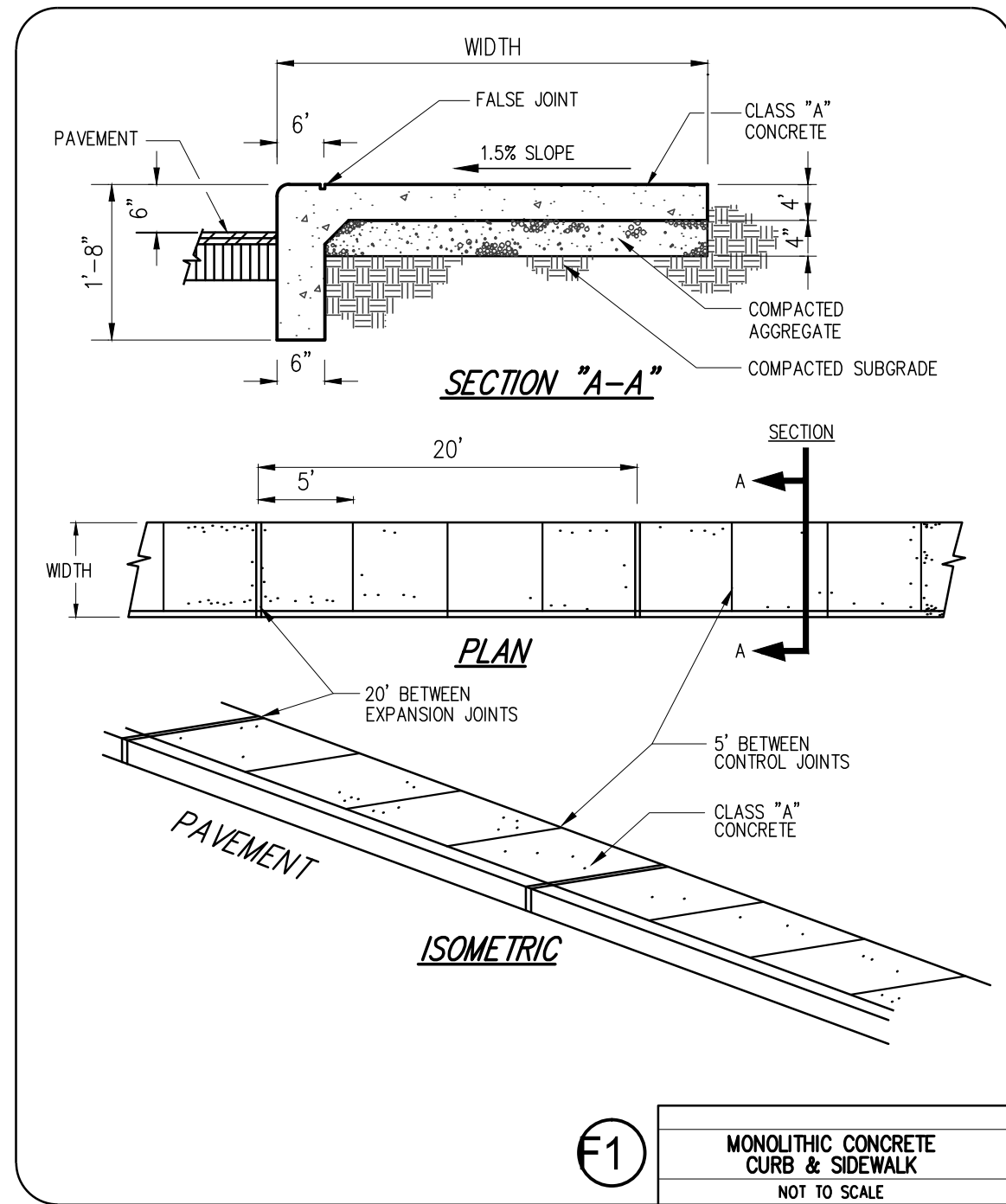
BITUMINOUS ASPHALT PAVING

NOT TO SCALE



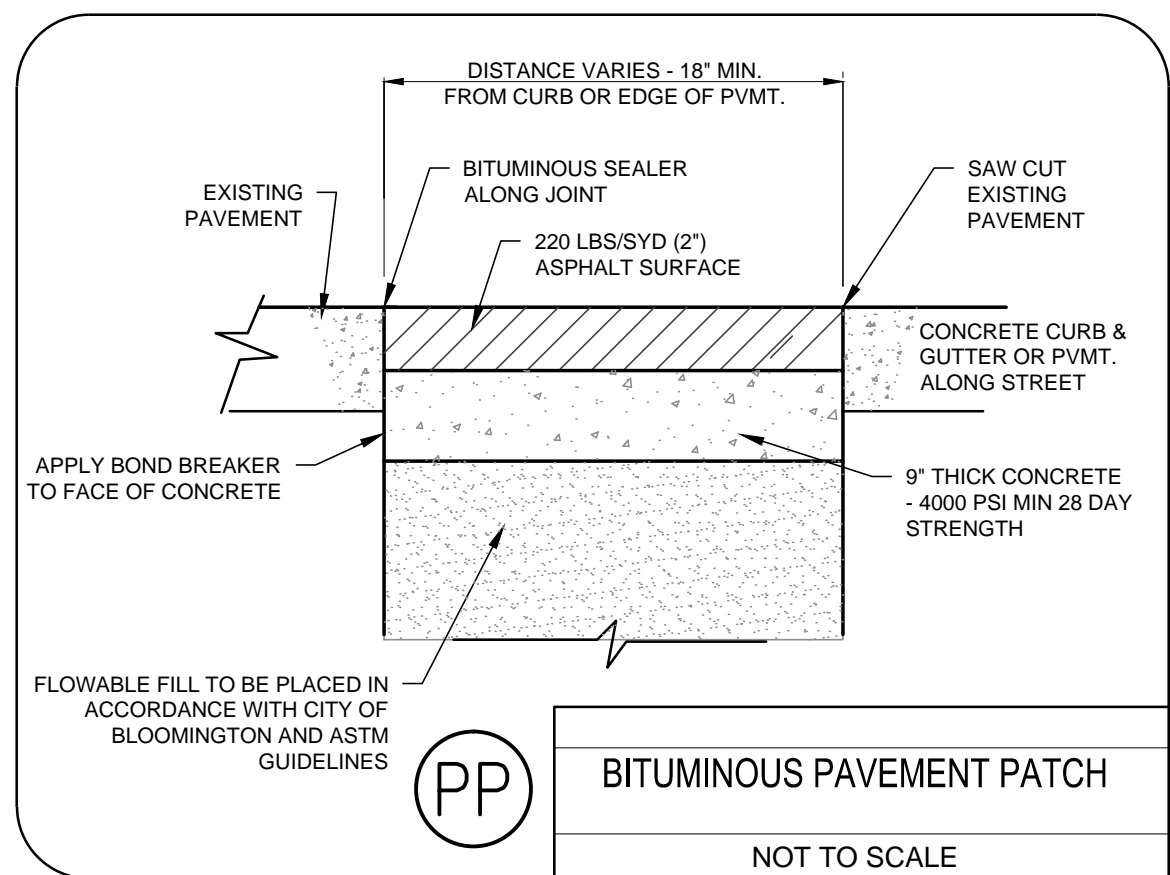
CONCRETE SIDEWALK

NOT TO SCALE



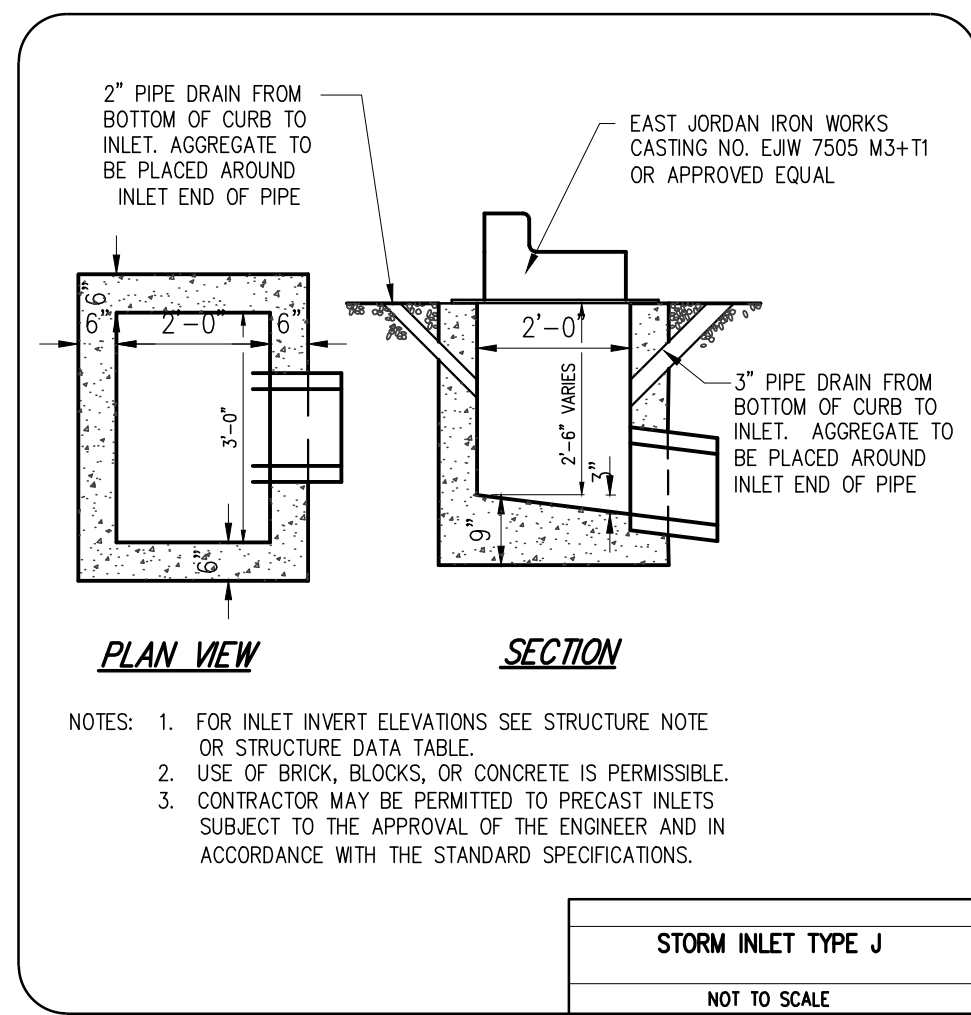
MONOLITHIC CONCRETE CURB & SIDEWALK

NOT TO SCALE



BITUMINOUS PAVEMENT PATCH

NOT TO SCALE



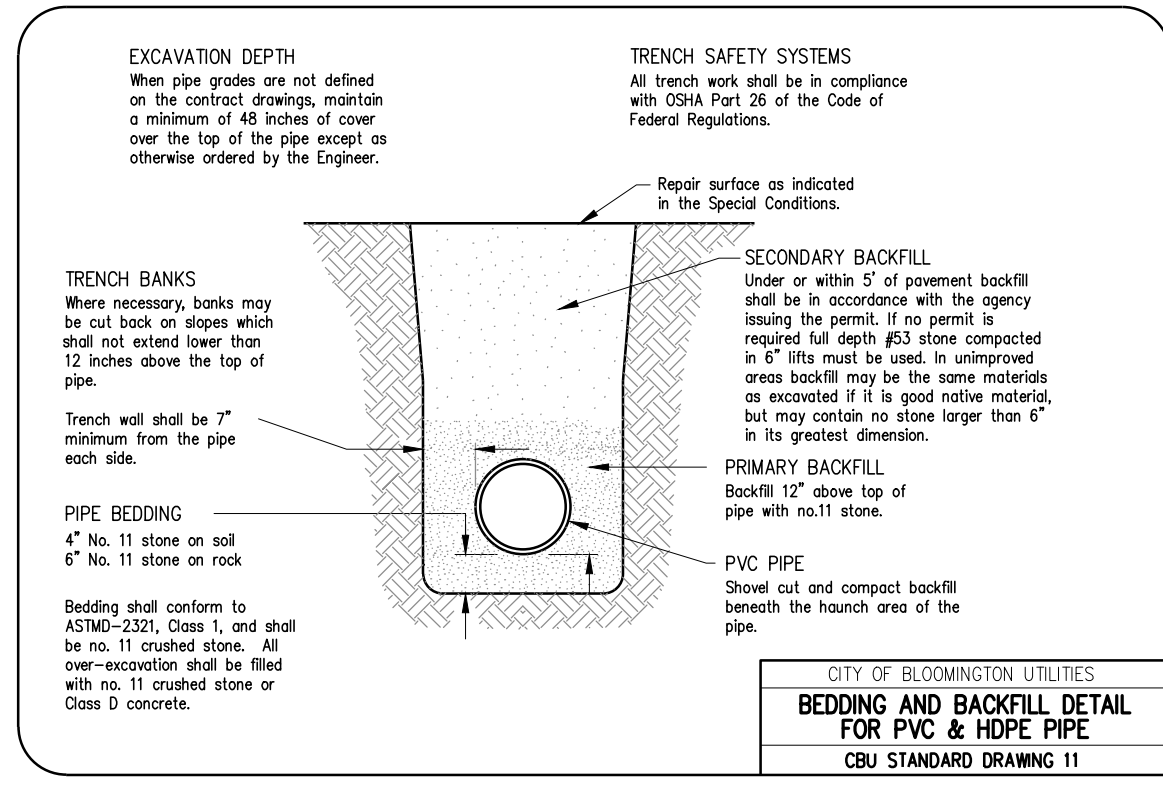
STORM INLET TYPE J

NOT TO SCALE

PLANT LIST					
LARGE CANOPY DECIDUOUS TREES					
LEGEND	KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE & CONDITION
OP	AG	QUERCUS PRINUS	CHESNUT OAK	2"	2" CAL., B & B
AR	AR	AESOLUS GLABRA	OHIO BUCKEYE	2"	2" CAL., B & B
AR	AR	ACER RUBRUM	RED SUNSET MAPLE	2"	2" CAL., B & B
SMALL / MEDIUM DECIDUOUS TREES					
LEGEND	KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE & CONDITION
BN	BN	BETULA NIGRA	RIVER BIRCH	2"	2" CAL., B & B
EVERGREEN TREES					
LEGEND	KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE & CONDITION
PS	PS	PINUS STROBES	WHITE PINE	5-6"	5-6" HEIGHT
DECIDUOUS SHRUBS					
LEGEND	KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE & CONDITION
AA	PH	ARONIA ARBUTIFOLIA	BLACK CHOKEBERRY	24"	24" SPREAD*
PH	PH	PHILADELPHUS	MOORHANGE	24"	24" HEIGHT*
EVERGREEN SHRUBS					
LEGEND	KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE & CONDITION
TM	RS	TAXUS X MEDIA 'BROWN'	BROWN'S YEW	24"	24" HGT., CONT.
RS	RS	RHOODENDRON SPECIES	RHOODENDRON	24"	24" HGT., CONT.

*CONTAINER OR BALL AND BURLAP CONDITION ACCEPTABLE

NOTE: SPECIES SHOWN THAT ARE NOT LISTED IN THE CITY OF BLOOMINGTON ZONING ORDINANCE CHAPTER 20.06 TABLES OF RECOMMENDED PLANT MATERIALS ARE GIVEN BOTANICALLY COMPARABLE DENSITY VALUES.



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revisions:

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CIVIL ENGINEERING
PLANNING

BYNUM FANYO & ASSOCIATES, INC.

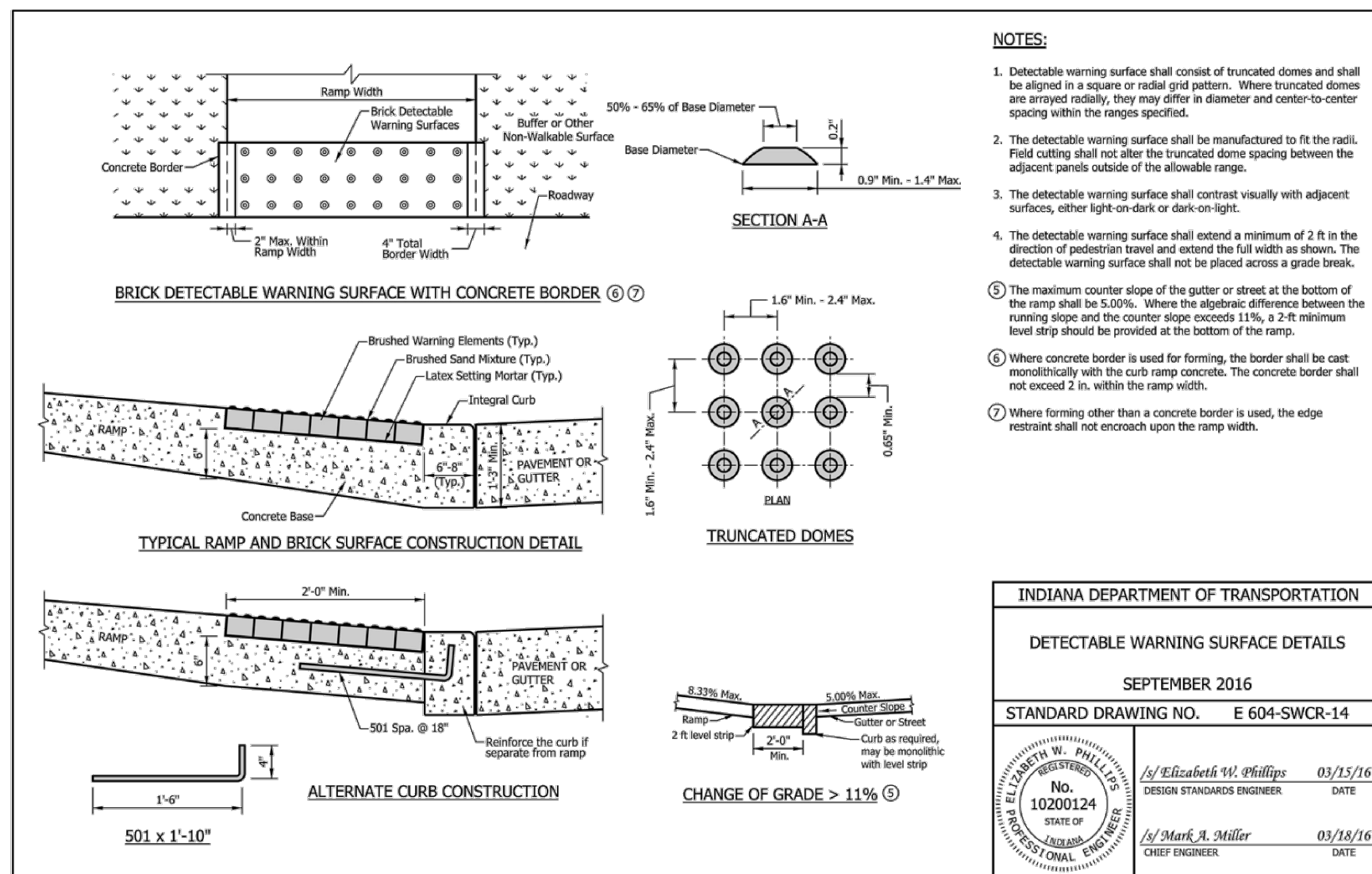
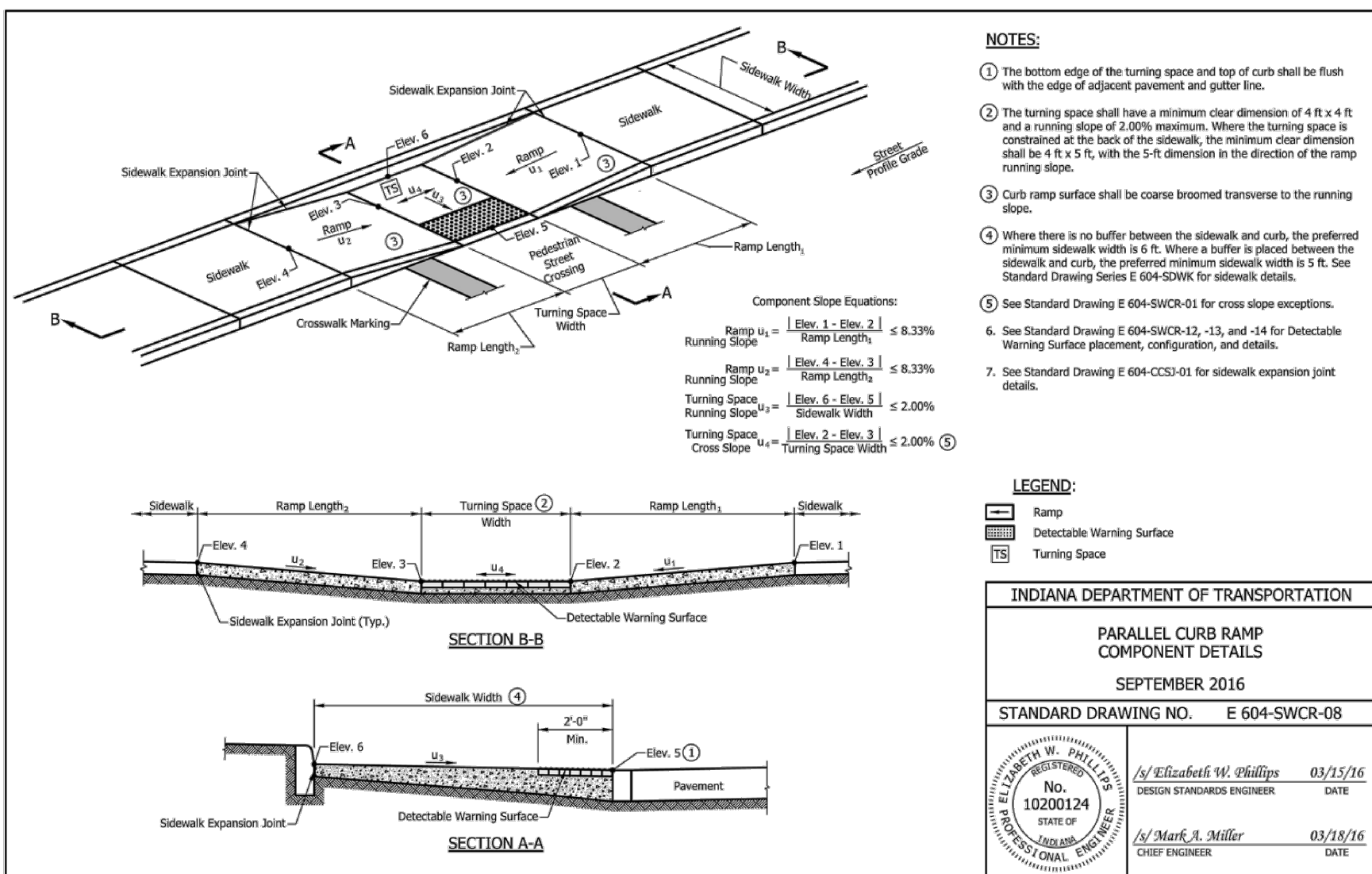
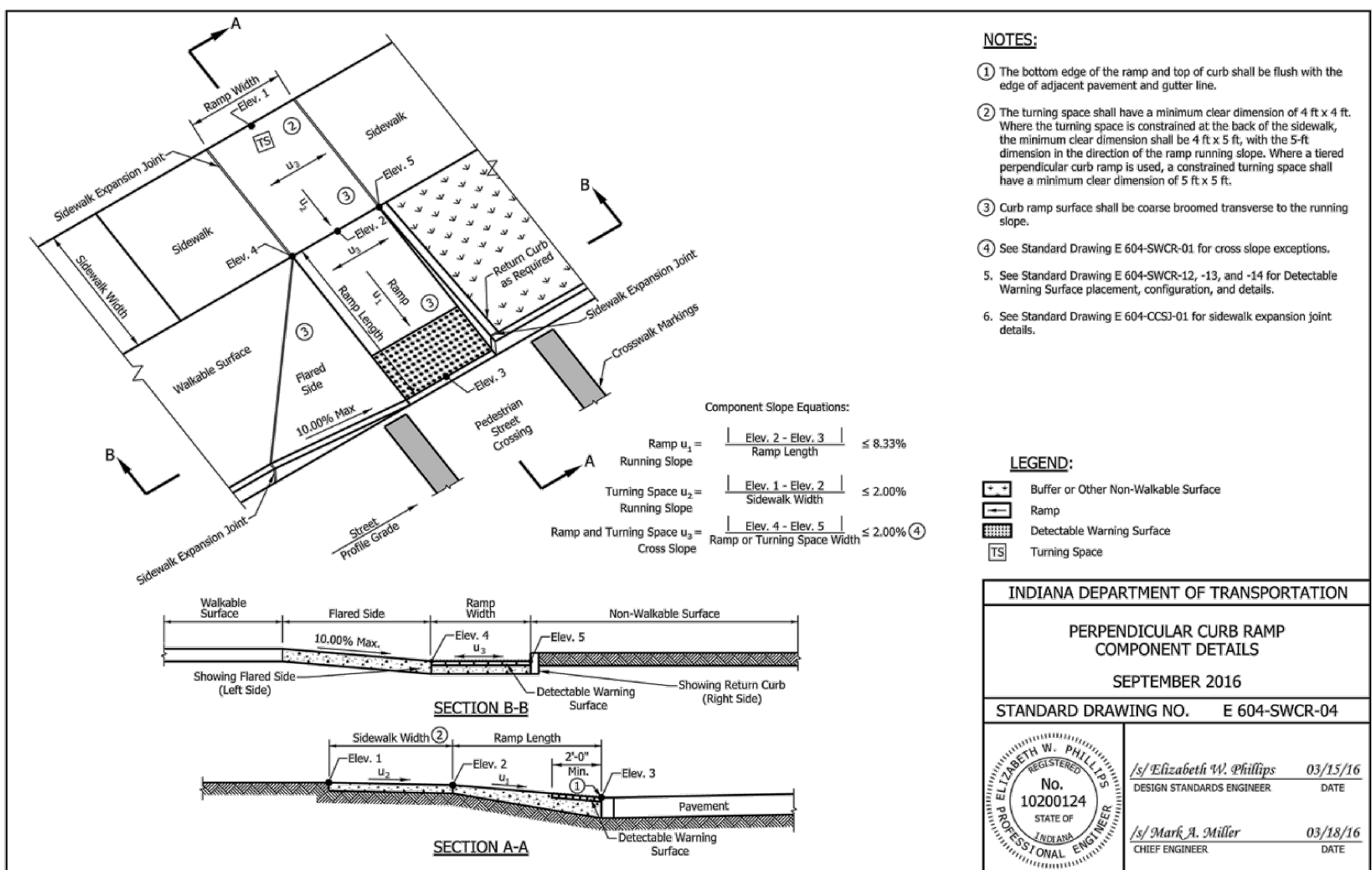
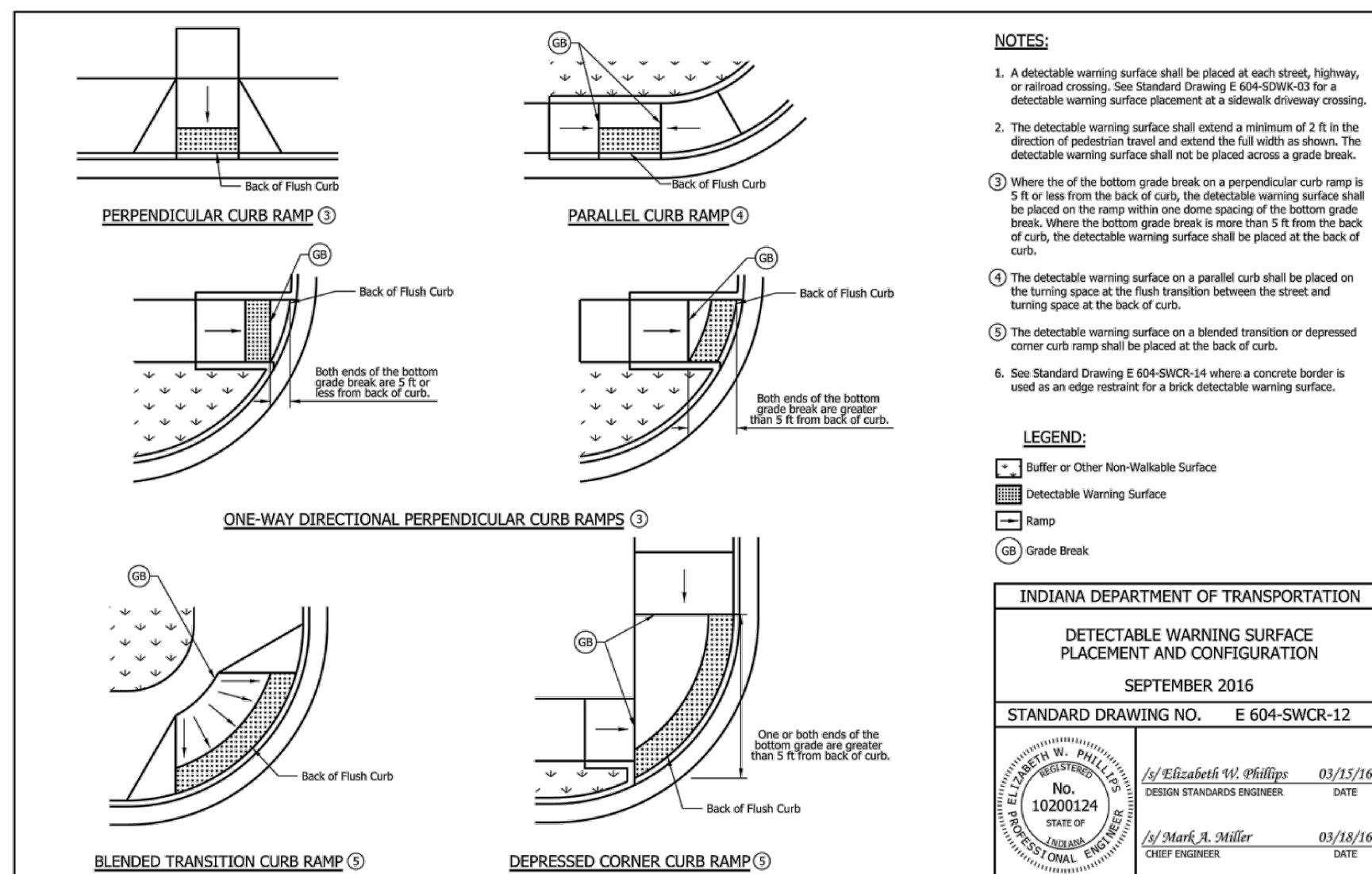
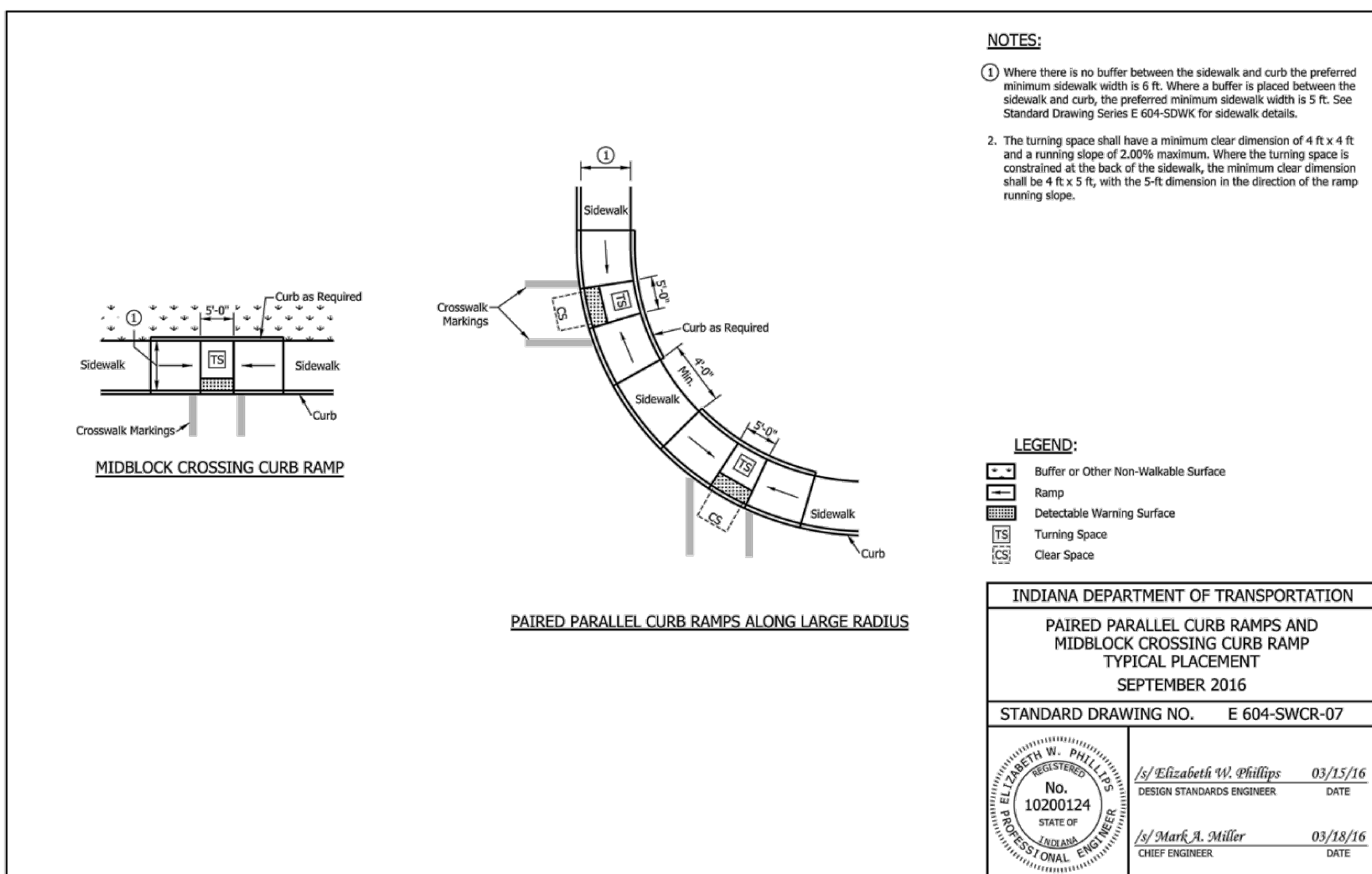
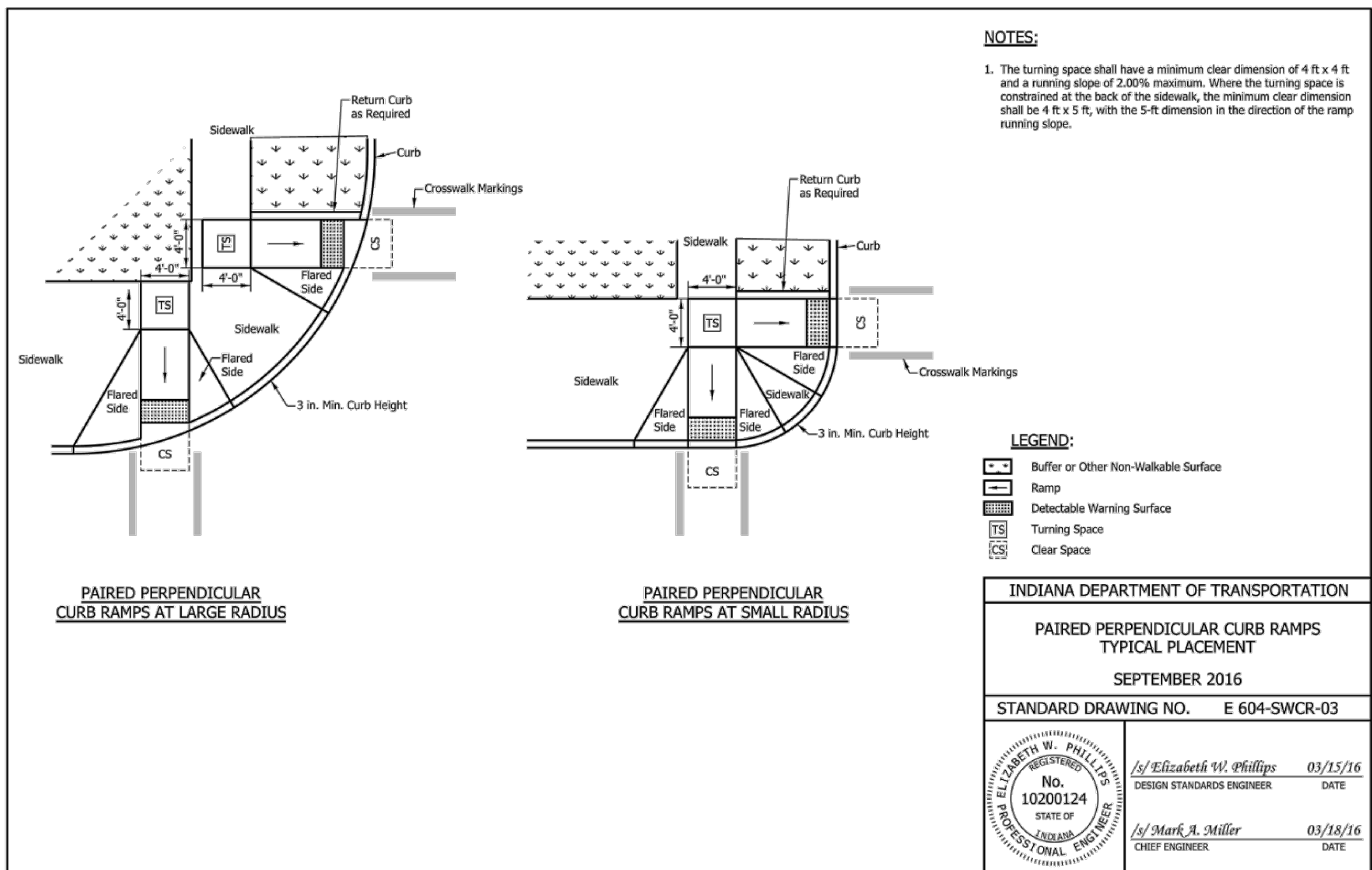
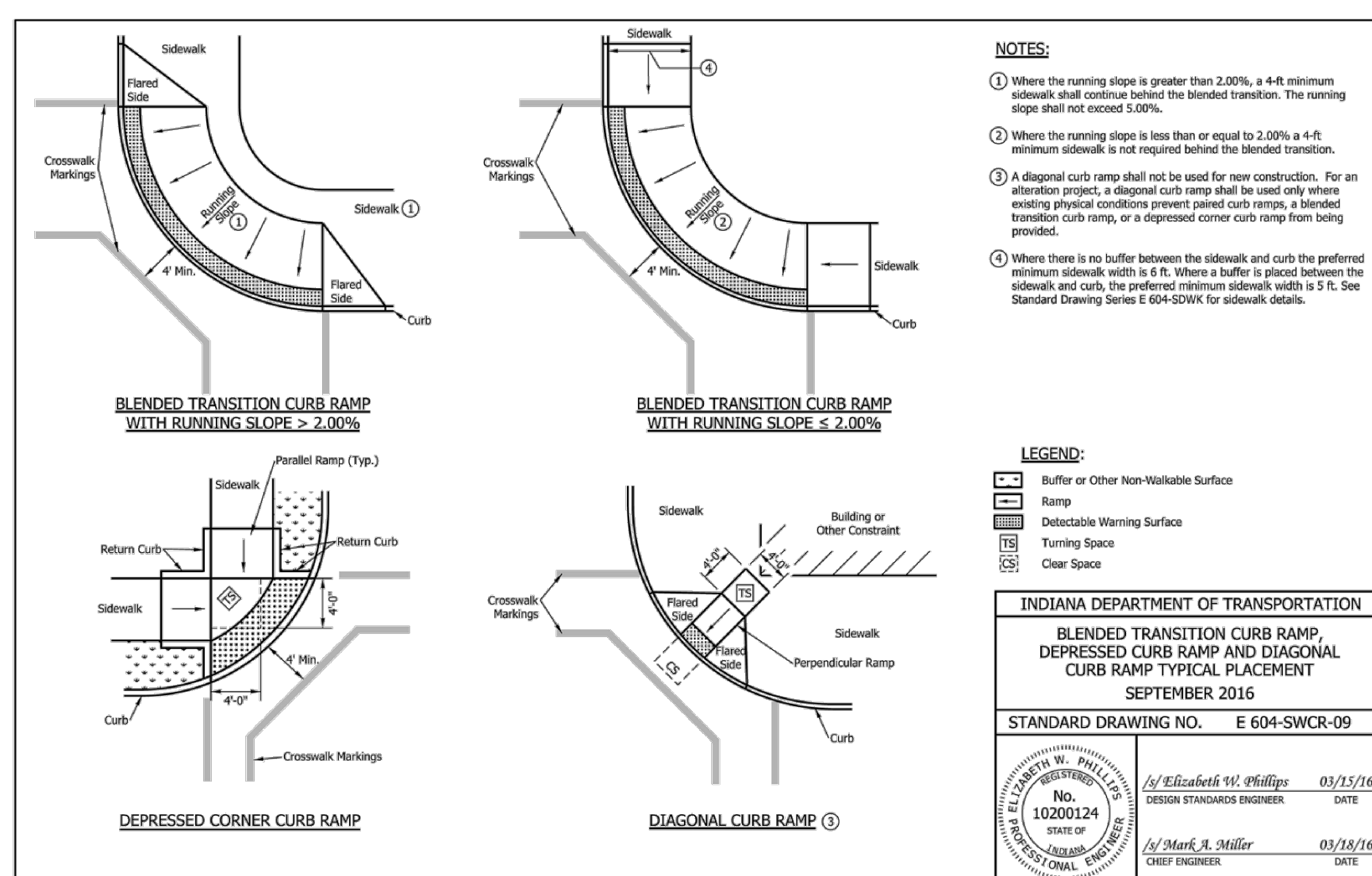
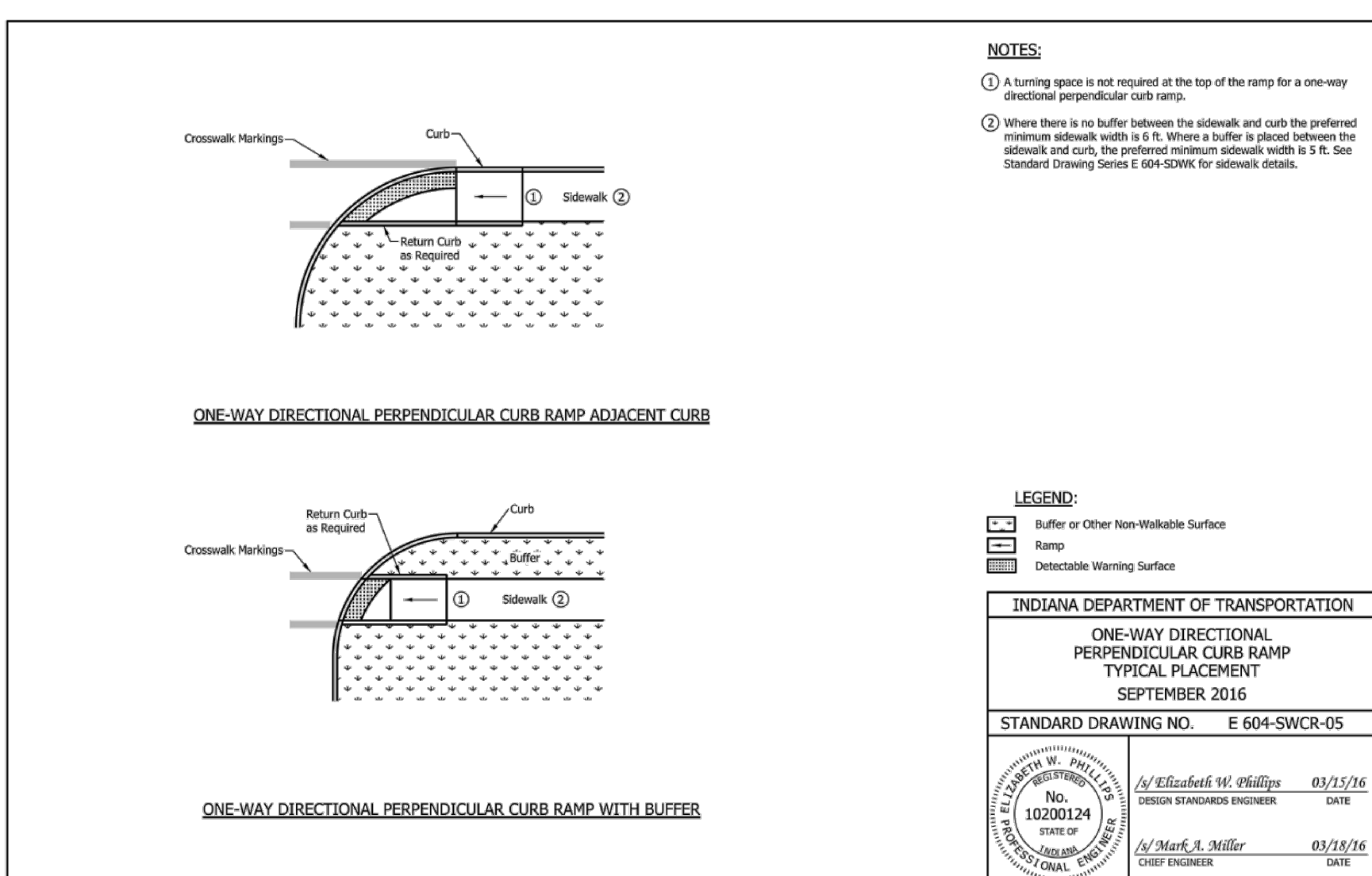
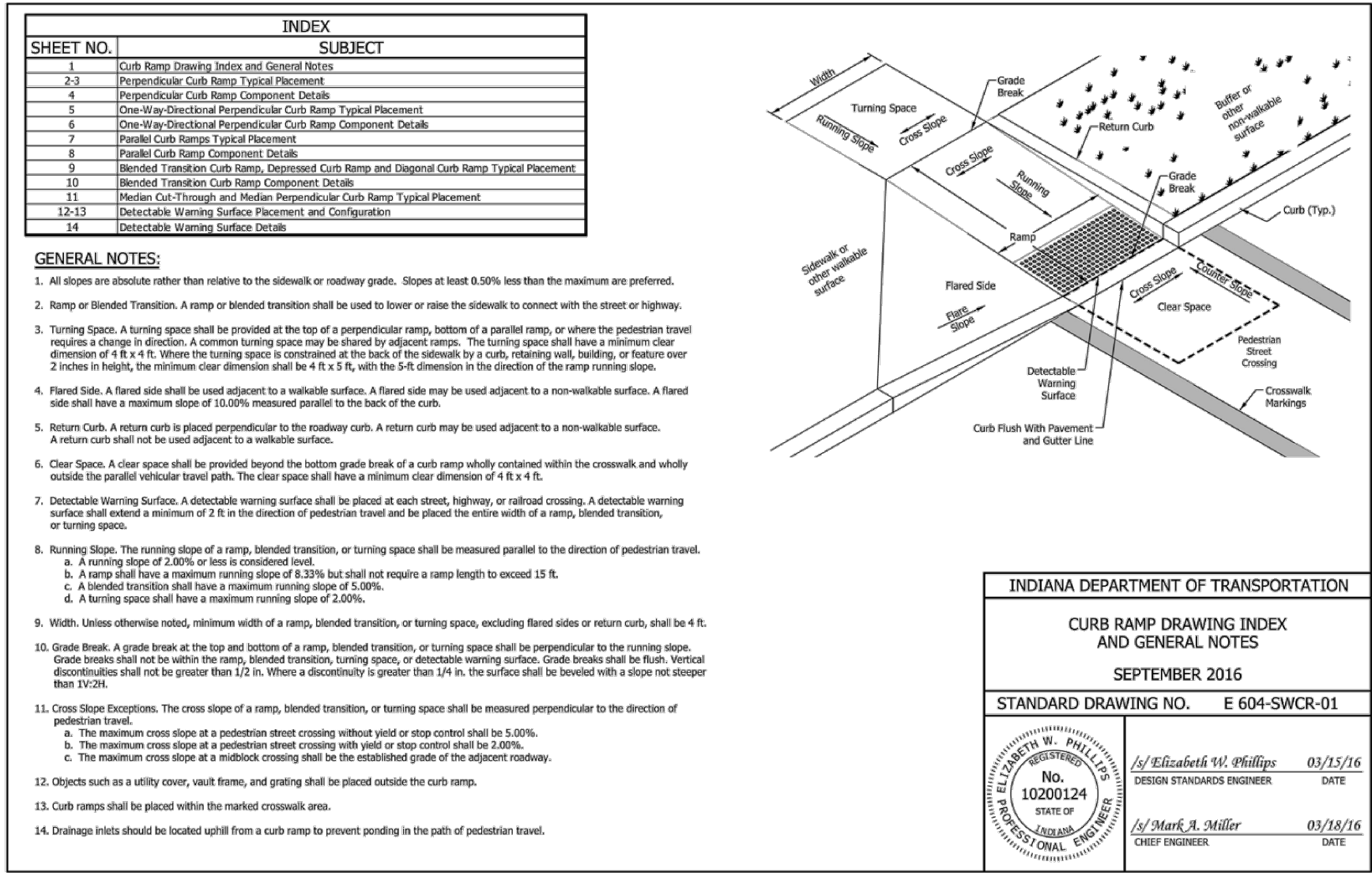
528 north walnut street
(812) 332-8030

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER
11-28-17
certified by

PROPOSED
KINSER PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: MISCELLANEOUS
DETAILS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C501
project no.: 401751



NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS & DEPTHS AND NOTIFY ENGINEER OF ANY INACCURACIES IN LOCATION OR ELEVATION OR ANY CONFLICTS PRIOR TO & AFTER ANY EXCAVATION. NO PAYMENT SHALL BE MADE TO CONTRACTOR FOR UTILITY DESTRUCTION OR UNDERGROUND CHANGES REQUIRED DUE TO CONFLICTING ELEVATIONS.

revisions:

ARCHITECTURE
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PLANNING

BYNUM FANYO & ASSOCIATES, INC.

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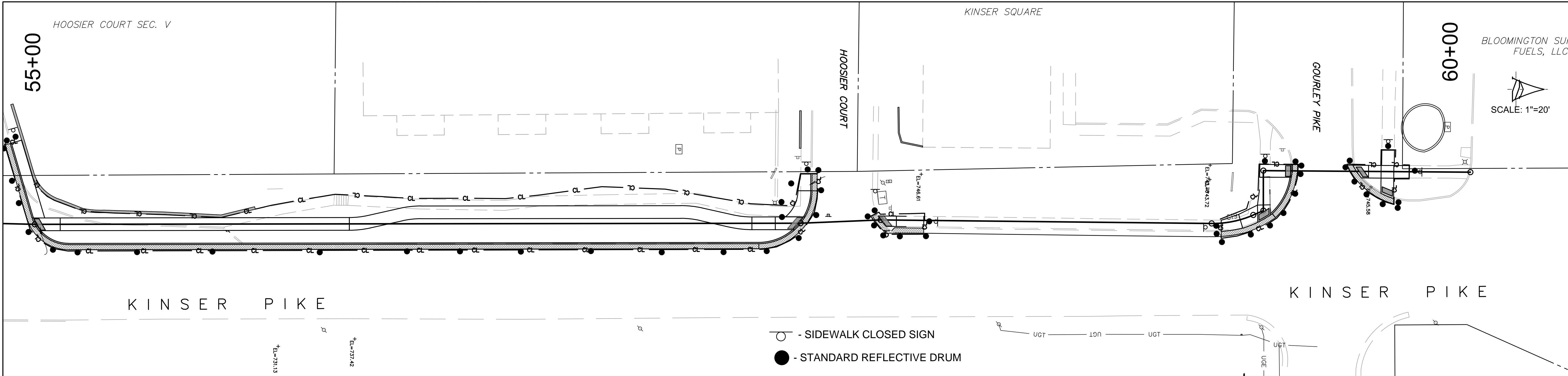
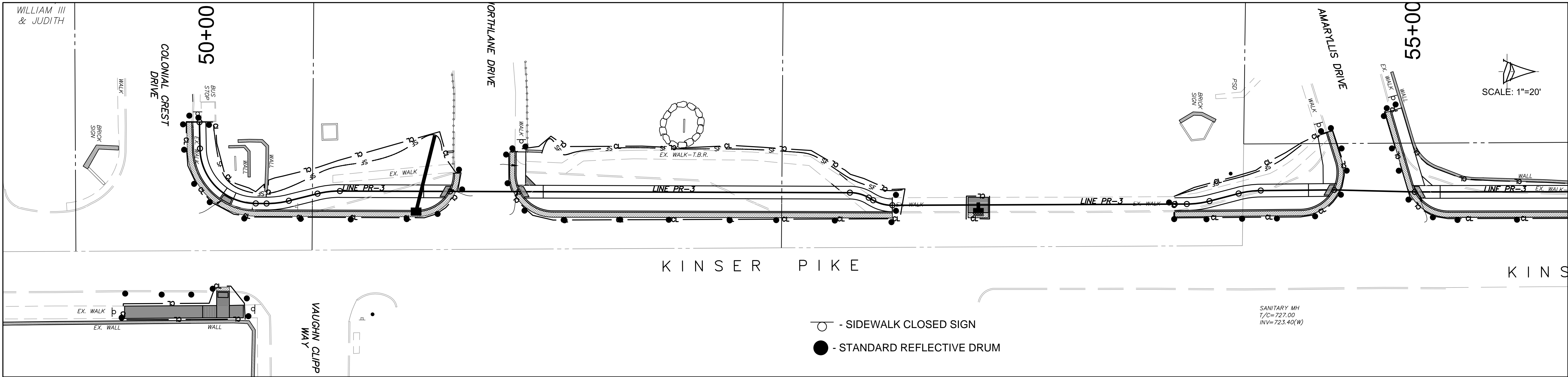
certified by *[Signature]*

11-28-17

PROPOSED
KINSEY PIKE SIDEWALK - FROM
COLONIAL CREST TO GOURLEY PIKE
BLOOMINGTON, INDIANA

title: MISCELLANEOUS DETAILS

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C502
project no.: 401751



NOTES:
ALL SIGNS AND BARRICADES TO BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DURING WORK IN OR ADJACENT TO THE WORK AREA THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE OPEN LANE OF TRAFFIC AT ALL TIMES.

DURING WORKING HOURS THE CONTRACTOR SHALL MAINTAIN, AT HIS EXPENSE, ALL TRAFFIC CONES, WARNING LIGHTS, BARRICADES, AND FLAGMEN NECESSARY.

THE CONTRACTOR SHALL PROTECT THE TRAVELING PUBLIC FROM EXCAVATIONS WITH BARRICADES, CAUTION TAPE, STEEL PLATES AND APPROPRIATE WARNING SIGNS.

THE CONTRACTOR SHALL PLACE "ROAD CONSTRUCTION AHEAD", "END CONSTRUCTION", "SIDEWALK CLOSED", FLAGMAN AHEAD" AT LOCATIONS IN ACCORDANCE WITH THE CURRENT EDITION OF THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

LANE CLOSURES DURING CONSTRUCTION SHALL BE CLOSED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. SEE FIGURE 6C-3 LOCATED ON SHEET C501.

NOTE TO CONTRACTOR

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revisions:

ARCHITECTURE	ARCHITECTURE	ARCHITECTURE
CIVIL ENGINEERING	CIVIL ENGINEERING	CIVIL ENGINEERING
PLANNING	PLANNING	PLANNING
BLOOMINGTON, INDIANA	BLOOMINGTON, INDIANA	BLOOMINGTON, INDIANA
(812) 339-2990 (Fax)	(812) 339-2990 (Fax)	(812) 339-2990 (Fax)

BYNUM FANYO & ASSOCIATES, INC.

528 north walnut street
(812) 332-8030

JEFFREY S. FANYO
No. 60018283
STATE OF INDIANA
PROFESSIONAL ENGINEER
11-28-17

certified by: *[Signature]*

PROPOSED

KINSER PIKE SIDEWALK - FROM

COLONIAL CREST TO GOURLEY PIKE

BLOOMINGTON, INDIANA

title: MAINTENANCE OF TRAFFIC PLAN

designed by: RLC
drawn by: RLC
checked by: JSF
sheet no: C701
project no.: 401751