



CITY OF SOUTHGATE
BLOSSOM LANE AND VALLEY VIEW DRIVE
STREET IMPROVEMENTS
CITY OF SOUTHGATE
CAMPBELL COUNTY, KENTUCKY

JOB #37135

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2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41011
TEL. (859) 525-0544
WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	1/14/2026	.		.
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

CITY OF SOUTHGATE OFFICIALS

MAYOR
M HAMBERG

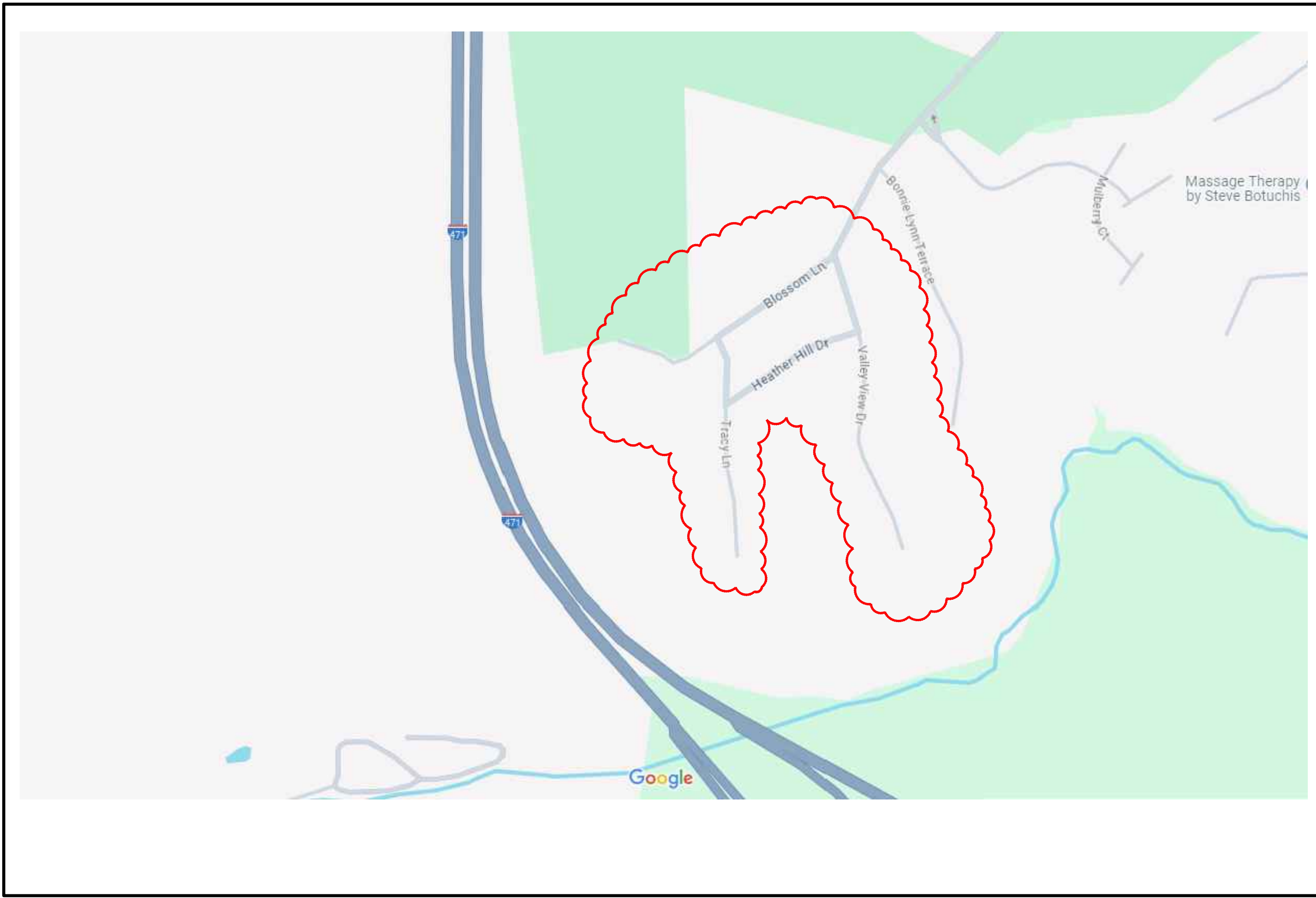
CITY CLERK
BRANDI BARTON

CITY COUNCIL MEMBERS

JACKSON CURRY
ELIZABETH HARTMAN
PAUL MELVILLE
MARK MESSMER
AILEEN OKURA
TOM WHITEHEAD

CITY ATTORNEY
MARY ANN STEWART

PUBLIC WORKS DIRECTOR
ARVIL BOWMAN



SITE MAP

NORTHERN KENTUCKY WATER DISTRICT SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS AND DRAWINGS OF THE NORTHERN KENTUCKY WATER DISTRICT FOR THE INSTALLATION OF WATER MAIN AND METER PITS SHALL GOVERN ALL WATER MAIN CONSTRUCTION ITEMS ON THIS PROJECT.

K.T.C SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY TRANSPORTATION
CABINET, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO
AND CAMPBELL COUNTY SUBDIVISION REGULATION REQUIREMENTS SHALL
GOVERN THIS IMPROVEMENT.

SOURCE OF BOUNDARY AND TOPOGRAPHIC INFORMATION

THE TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED UPON A FIELD SURVEY BY VERDANTAS. THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON PLANNING AND DEVELOPMENT SERVICES (P.D.S) G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY VERDANTAS.

UTILITY NOTE

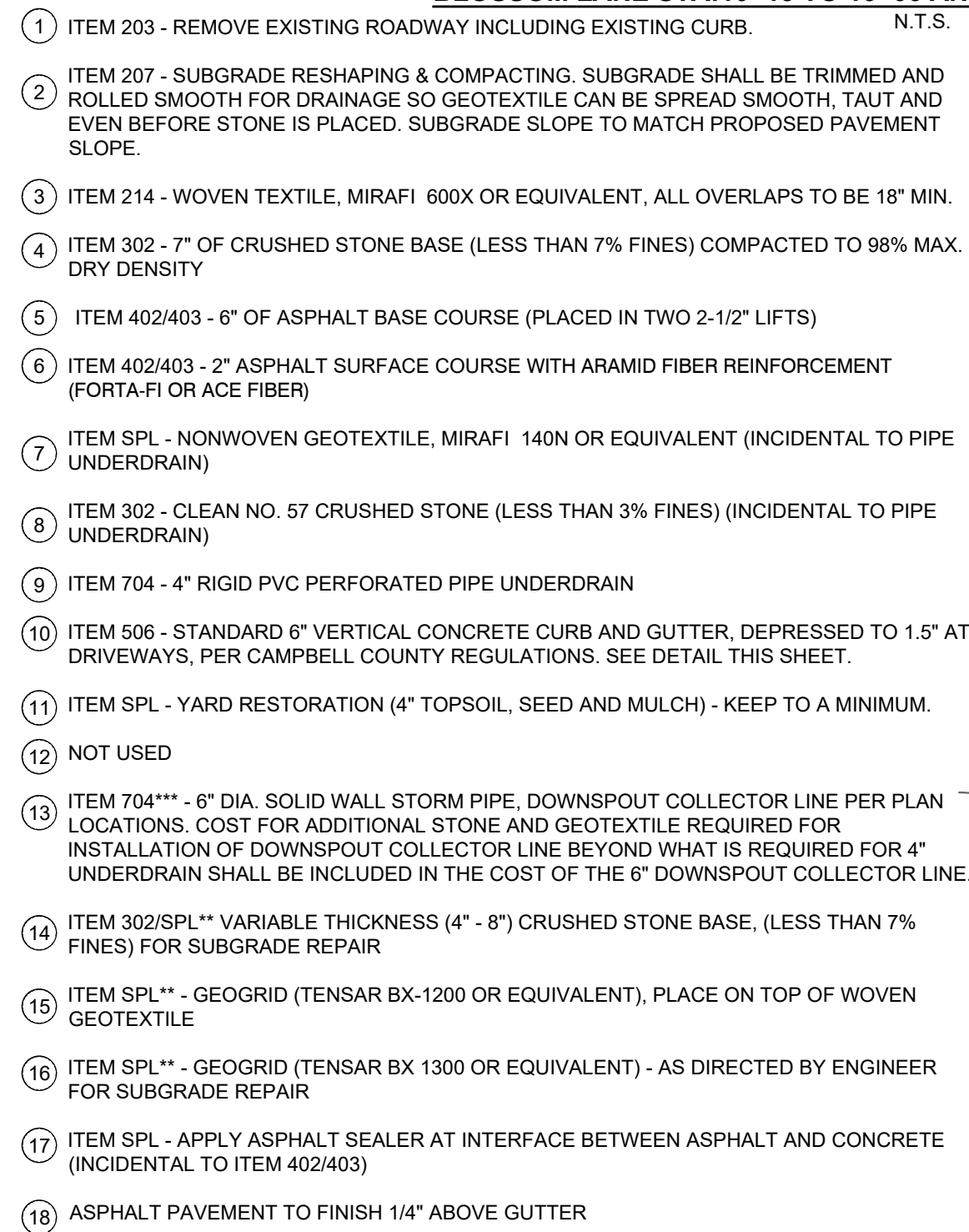
ALTA FIBER IS OVERHEAD PER RECORDS



JAMES M. SHUMATE

P.E. #18156

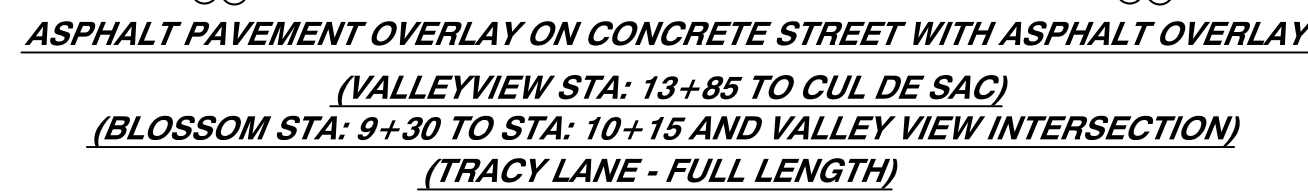
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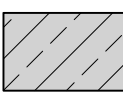


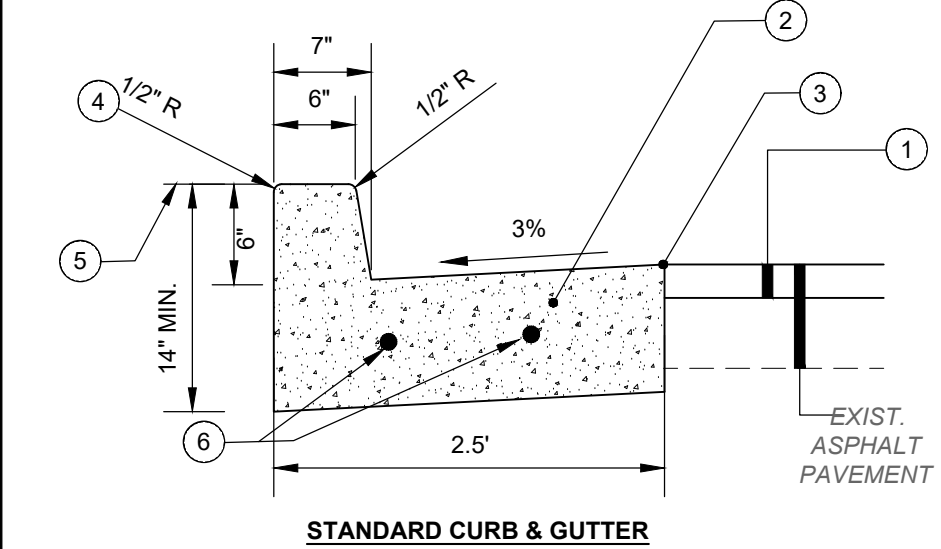
***DOWNSPOUT COLLECTOR LINES TO BE
CONSTRUCTED ON VALLEY VIEW.



- ① EX. CONCRETE, ASPHALT, GRAVEL OR EARTHEN MATERIAL TO BE REMOVED
 - ② FULL DEPTH SAWCUT ALL SIDES
 - ③ ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL)
 - ④ ITEM 302 - 6" DGA FOR SUBGRADE REPAIR (SEPARATE BID ITEM). TO BE USED AS DIRECTED BY THE ENGINEER. UNIT PRICE BID INCLUDES DGA BASE, REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND COMPACTION OF SUBGRADE
 - ⑤ ITEM 402403 - BITUMINOUS CONCRETE BASE (9" TOTAL THICKNESS)
 - ⑥ PAYMENT RESURFACING PER TYPICAL SECTION (SEPARATE PAY ITEM)
- * NOTE: THIS IS A CONTINGENCY ITEM TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER. LIMITS TO BE MARKED IN THE FIELD BY THE ENGINEER



- 
- N.T.S.
- ① EXISTING CONCRETE PAVEMENT WITH ASPHALT OVERLAY
 - ② EXISTING SUBGRADE
 - ③ ITEM 406 - TACK COAT @ 0.1 GAL/SY (INCIDENTAL TO ITEM 403)
 - ④ ITEM 408 - ASPHALT MILLING AND TEXTURING
 - ⑤ ITEM 402/403 - ASPHALT PAVEMENT LEVELING (AVG. 1" THICK)
 - ⑥ ITEM 402/403 - ASPHALT PAVEMENT SURFACE WITH ARAMID FIBER REINFORCEMENT (FORTA-FI OR ACE FIBER)(1-1.2" THICK)
 - ⑦ SAW CUT AND REMOVE EXISTING INTEGRAL CONCRETE CURB.
 - ⑧ INSTALL NEW STANDARD 6" VERTICAL CONCRETE CURB AND GUTTER. PROPOSED BACK OF CURB SHALL MATCH THE EXISTING BACK OF CURB ON BOTH SIDES OF THE STREET FOR LINE AND GRADE. SEE DETAIL THIS SHEET
 - ⑨ YARD RESTORATION (4" TOPSOIL, SEED AND MULCH) - KEEP TO A MINIMUM.
 - ⑩ ITEM 704 - 6" DIA. SOLID WALL STORM PIPE, DOWNSPOUT COLLECTOR LINE INSTALLED PER PLAN LOCATIONS. COST FOR ADDITIONAL STONE AND GEOTEXTILE REQUIRED FOR INSTALLATION OF DOWNSPOUT COLLECTOR LINE BEYOND WHAT IS REQUIRED FOR 4" UNDERDRAIN SHALL BE INCLUDED IN THE COST OF THE 6" DOWNSPOUT COLLECTOR LINE.
 - ⑪ INSTALL NEW 4" PERFORATED UNDERDRAIN BOTH SIDES OF THE STREET. UNDERDRAIN TRENCH SHALL BE BROUGHT UP TO 4" BELOW FINISHED SURFACE WITH #57 STONE.
 - ⑫ ITEM SPL - NONWOVEN GEOTEXTILE: MIRAFI 140N OR EQUIVALENT (INCIDENTAL TO PIPE UNDERDRAIN)
 - ⑬ ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES) (INCIDENTAL TO PIPE UNDERDRAIN)




- ① PROPOSED ASPHALT PAVEMENT RESURFACING (SEE TYPICAL SECTION)
- ② SAWCUT AND REMOVE EXISTING CURB (INCIDENTAL)
- ③ APPLY ASPHALT SEALER AT INTERFACE BETWEEN ASPHALT AND CONCRETE (INCIDENTAL TO ITEM 402/403)
- ④ TOP/EDGE OF REPLACEMENT CURB TO MATCH LINE & GRADE OF EXISTING CURB (VALLEY VIEW AND TRACY LANE)
- ⑤ YARD RESTORATION (4" TOPSOIL, SEED AND MULCH)
- ⑥ 3" DIA. DOWELS 18" LONG - DRILL 9" MIN. INTO EXIST. CURB - WHERE PROPOSED MEETS EXISTING
- ⑦ CONCRETE DRIVEWAY REPLACEMENT AS PER DETAIL

NOTE:
CONTRACTOR SHALL FILL BEHIND CURB TO THE TOP OF THE CURB w/
TOPSOIL AND RESTORE YARD w/ SEED/MULCH. THE COST FOR TOPSOIL,
SEED/MULCH SHALL BE INCIDENTAL INCLUDED IN THE BID ITEM FOR YARD
RESTORATION.

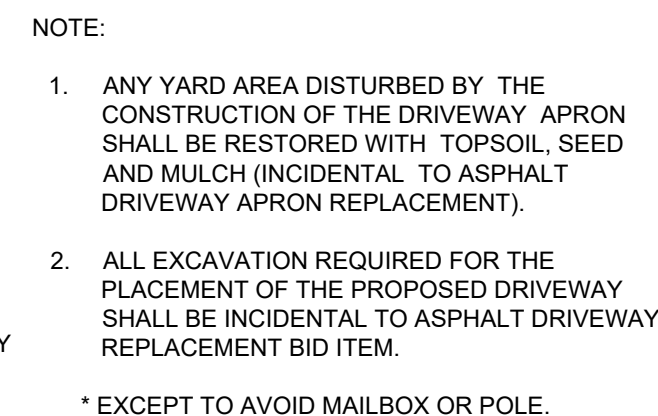
CONCRETE SHALL BE PER THE LATEST EDITION OF THE CAMPBELL COUNTY
SUBDIVISION REGULATIONS

STANDARD 6" CONCRETE VERTICAL
CURB & GUTTER REPLACEMENT *
N.T.S.

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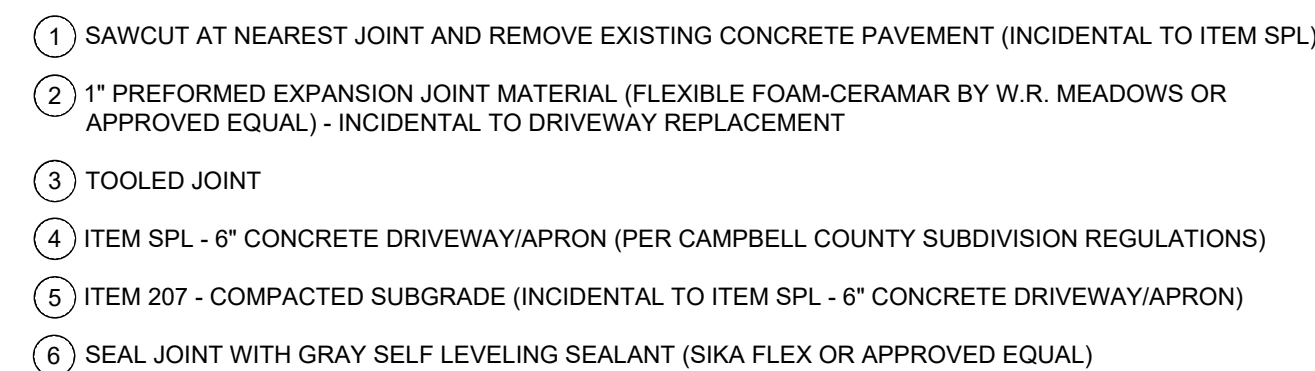


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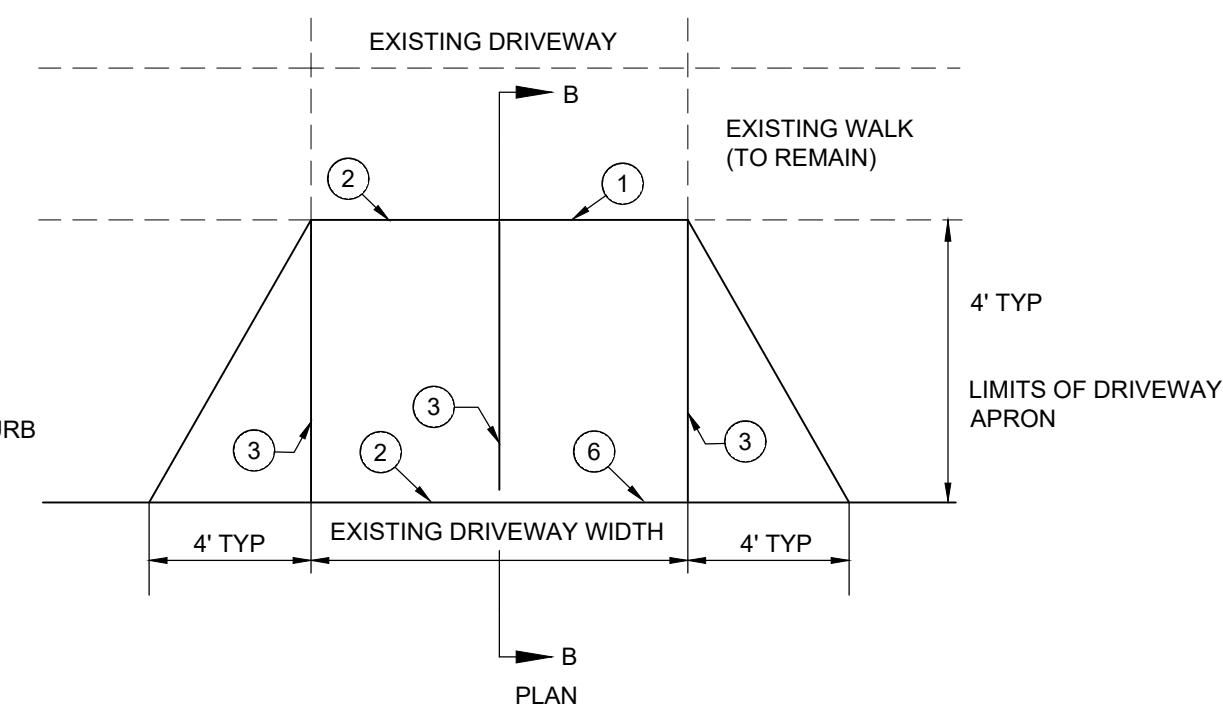
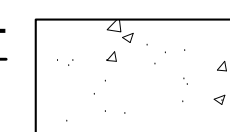


- ① SAWCUT AND REMOVE EXISTING DRIVEWAY (COST SHALL BE INCIDENTAL TO THE ASPHALT DRIVEWAY REPLACEMENT)
- ② ITEM 207 - SUBGRADE RESHAPING AND COMPACTING (INCIDENTAL TO ASPHALT DRIVE REPLACEMENT)
- ③ ITEM 402 / 403 - 6" ASPHALT CONCRETE BASE COURSE - RESIDENTIAL DRIVE
- ④ ITEM 402 / 403 - 1.5" ASPHALT CONCRETE SURFACE COURSE
- ⑤ REPLACE CONCRETE CURB WHERE IT CURRENTLY EXISTS (SEE PLANS). CONSTRUCT 1.5" DROP CURB. INCIDENTAL TO DRIVEWAY REPLACEMENT.
- ⑥ SEAL JOINT WIDTH HOT POURED JOINT SEALANT (INCIDENTAL TO ASPHALT DRIVEWAY REPLACEMENT)

ASPHALT DRIVEWAY REPLACEMENT
(NO SIDEWALK) N.T.S.



CONCRETE DRIVEWAY REPLACEMENT
(WITH SIDEWALK)
N.T.S.



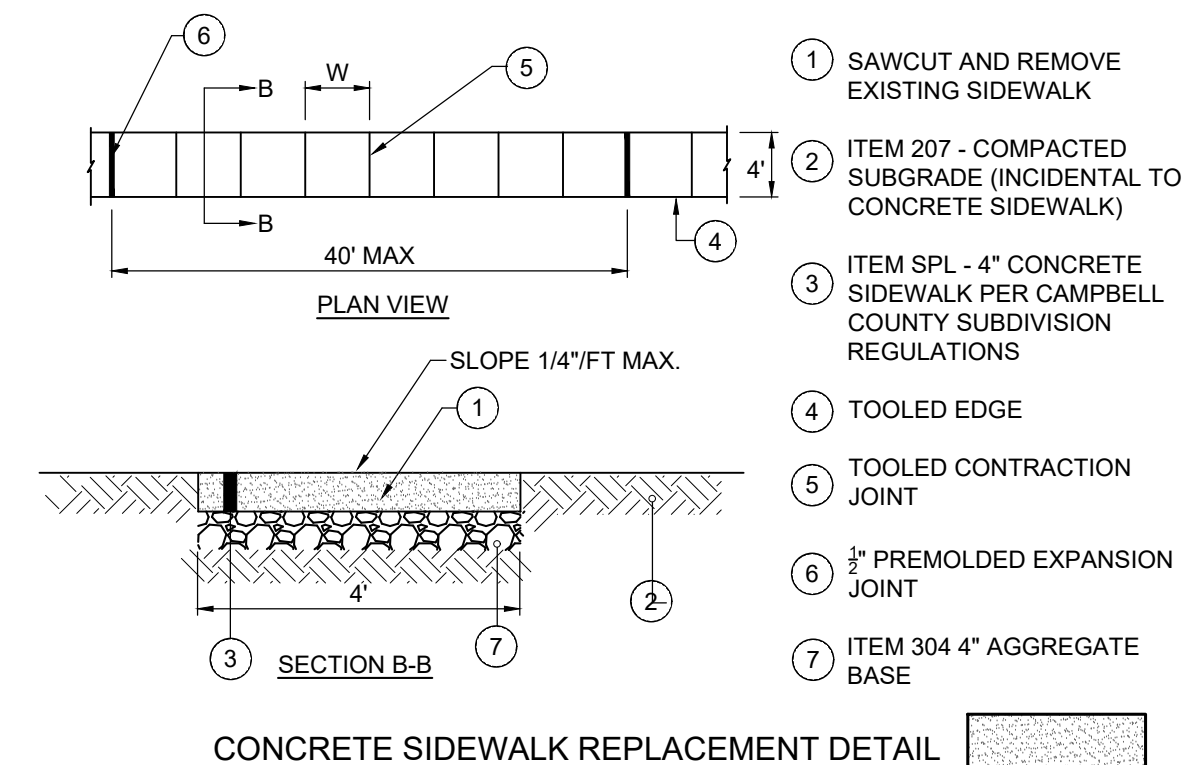
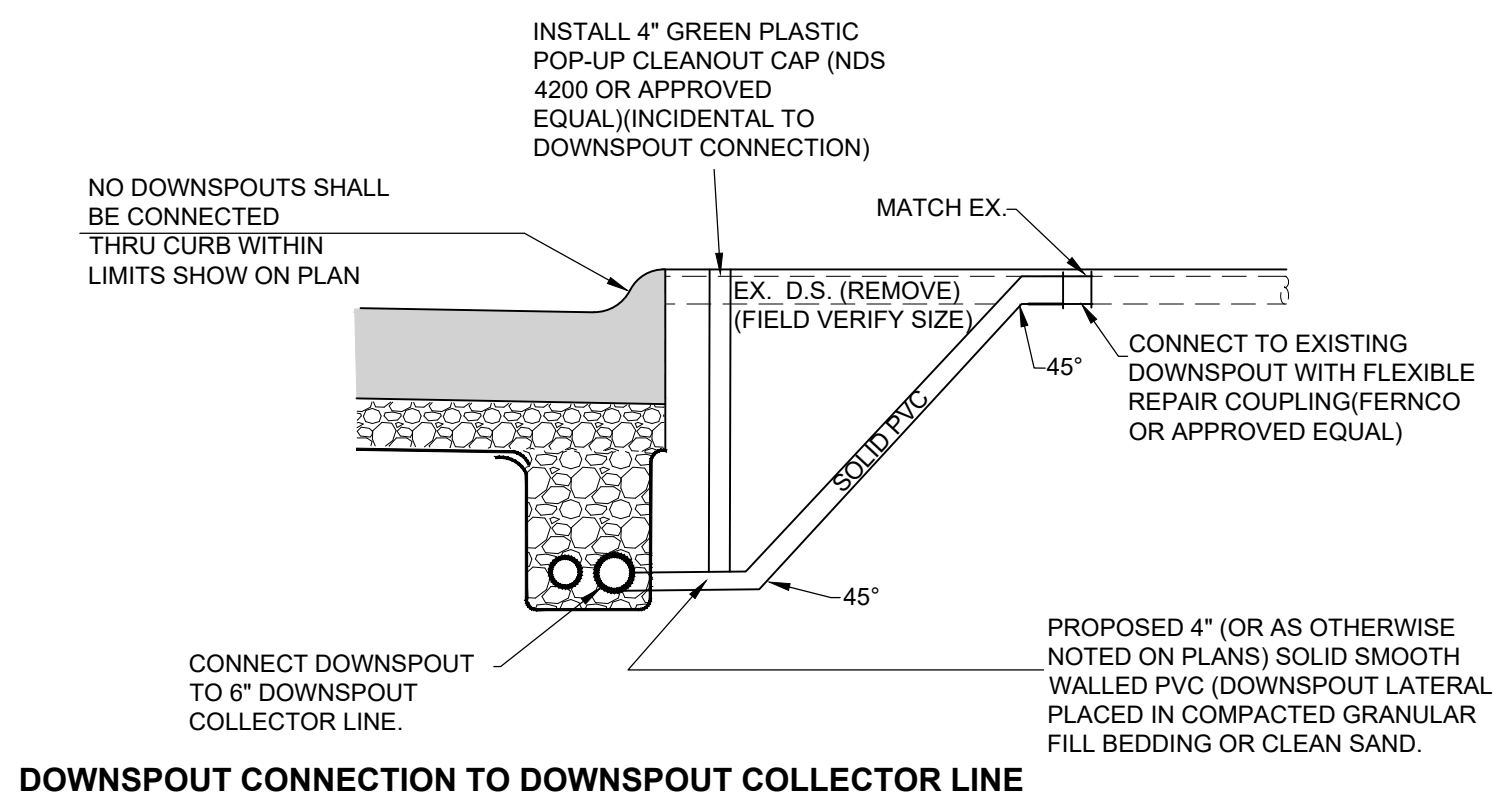
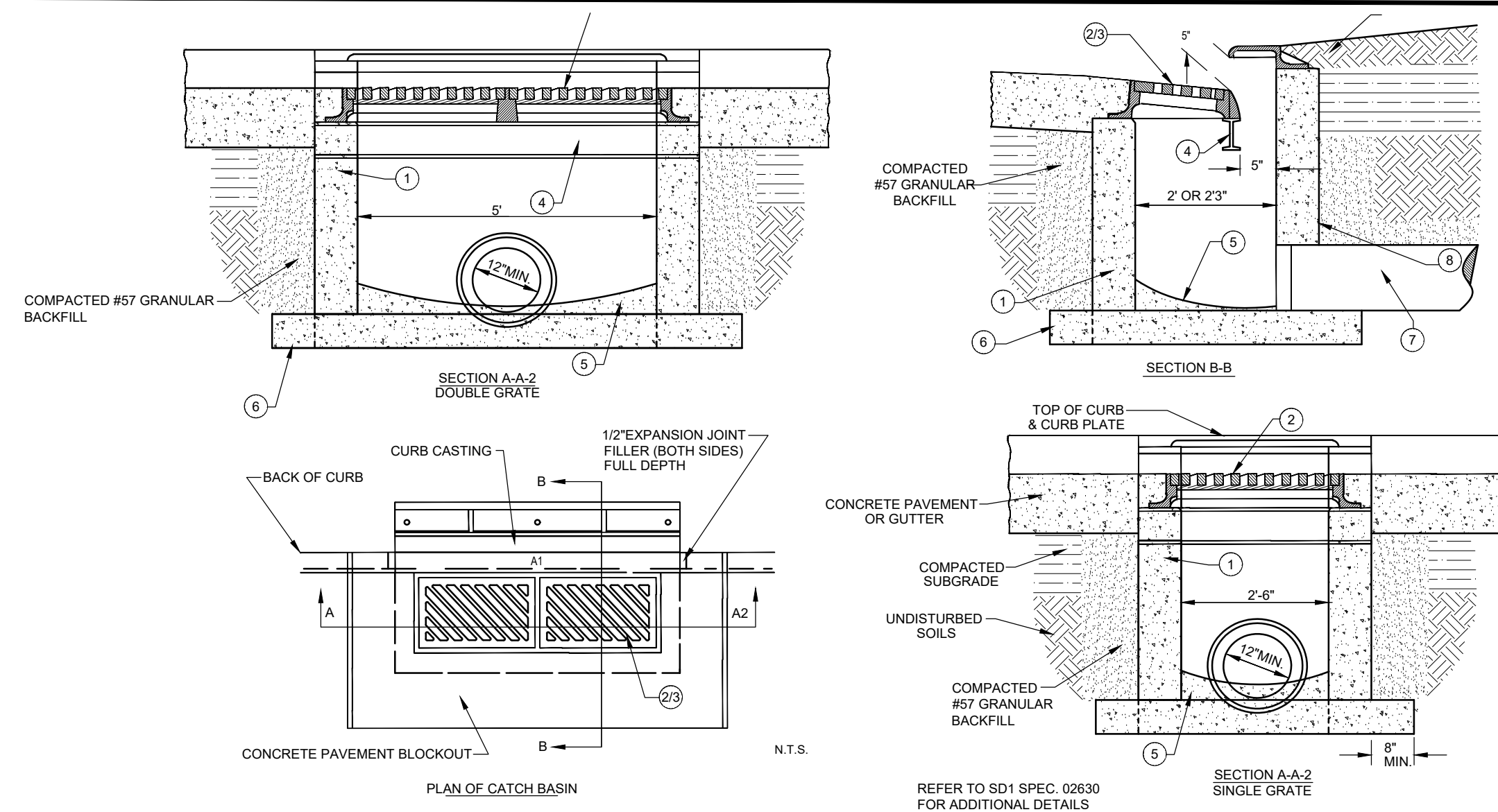
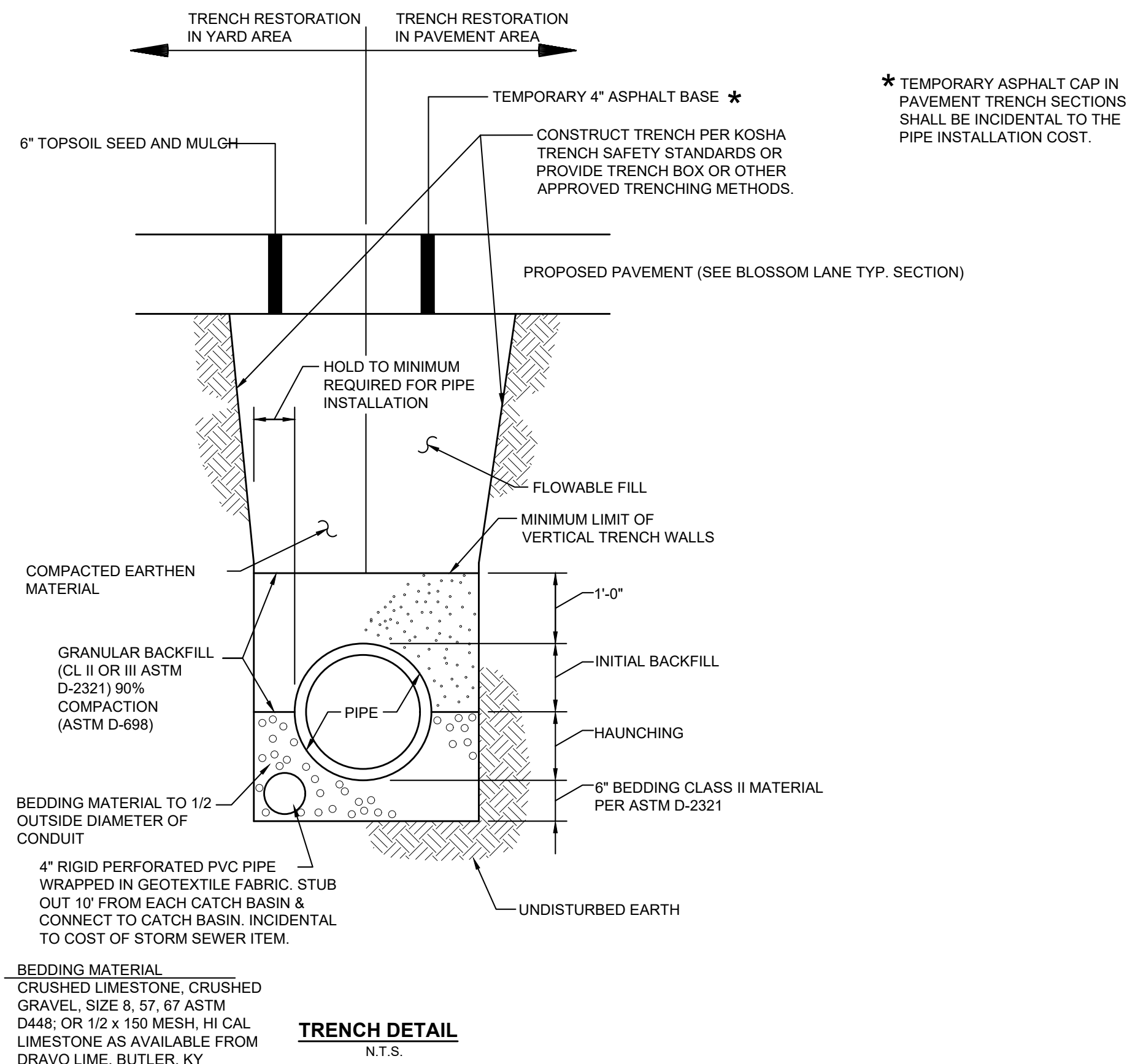
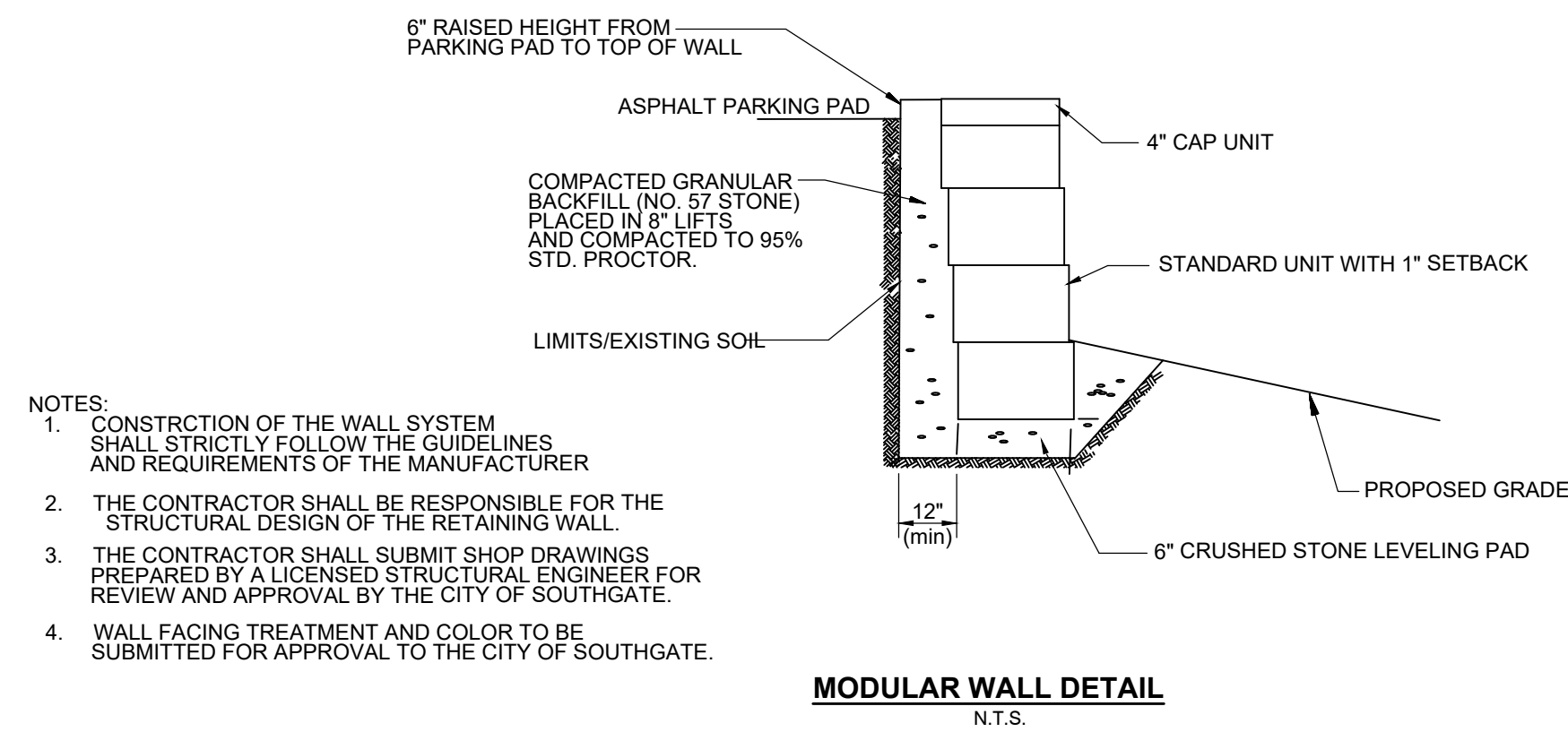
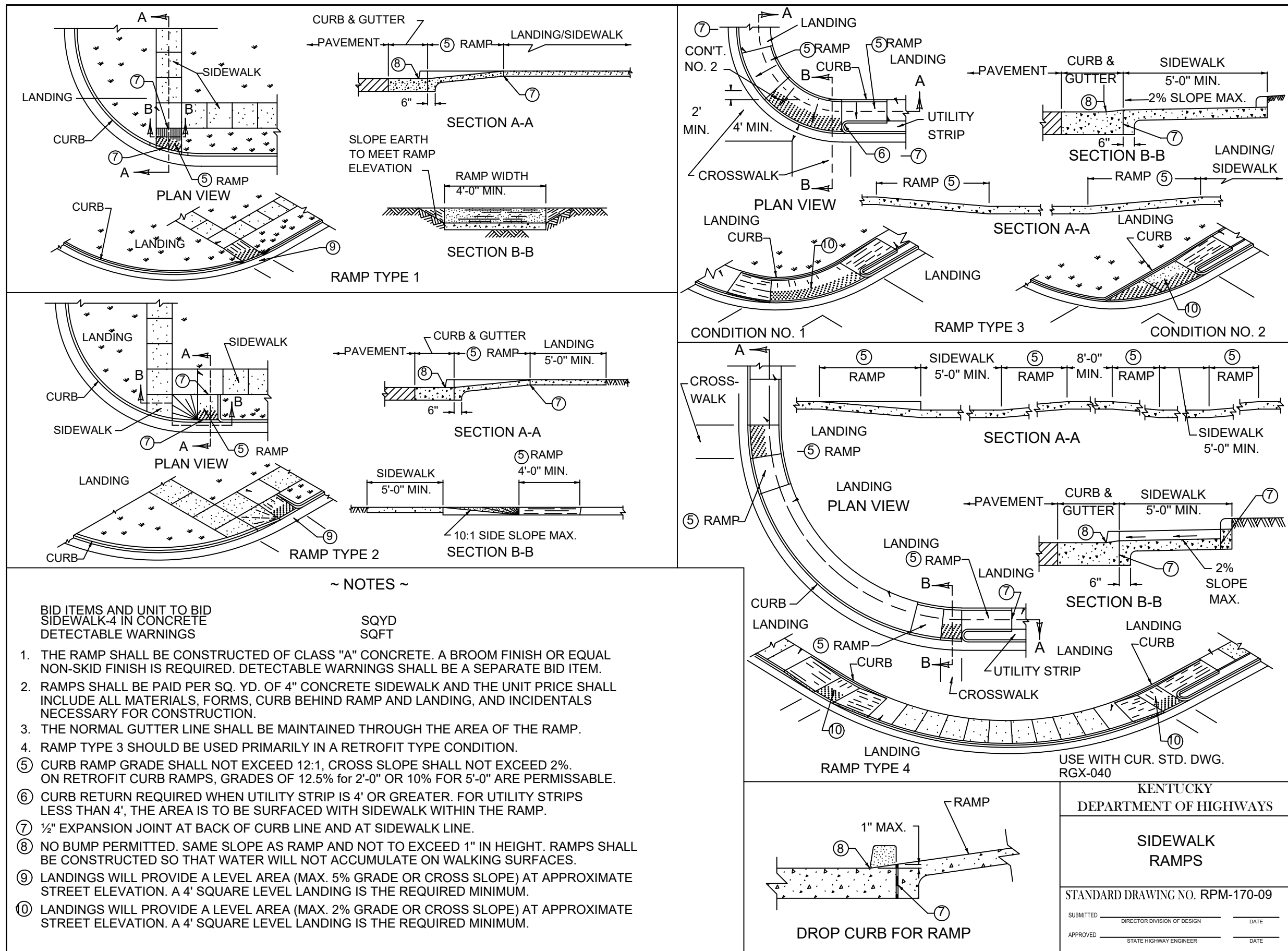
- NOTE:**
1. ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO CONCRETE DRIVEWAY APRON REPLACEMENT).
 2. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO CONCRETE DRIVEWAY REPLACEMENT BID ITEM.
 3. CURB HEIGHT SHALL BE TAPERED FROM 6" TO 1 1/2" IN THE 4' WIDE DRIVEWAY FLARES.

**BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS**

- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -

DETAIL SHEET

PROJECT NO.	
37135	
DISCIPLINE	
CIVIL	
SHEET NAME	
C3	
SHEET	OF
3	13



verdantas

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FORT MITCHELL, KENTUCKY 41017
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			DGAR	
			JSHU	

**BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS**

- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -

DETAIL SHEET

PROJECT NO.	37135
DISCIPLINE	CIVIL
SHEET NAME	C4
SHEET	4
OF	13

STORM WATER POLLUTION PREVENTION NOTES

- SANITATION DISTRICT NO. 1 IS TO BE CONTACTED 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AT 859-578-6892
- ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED AS SHOWN ON THE PLANS, AND SHALL BE IN COMPLIANCE WITH THE LATEST CONSTRUCTION ACTIVITY "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" RULES AND REGULATIONS AND SECTION 02370 OF SD1 SPECIFICATIONS.
- A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A COPY OF THE "NOTICE OF INTENT" (NOI) SHALL BE KEPT ON SITE.
- AN AMENDMENT OF THE SWPPP IS REQUIRED WHENEVER A CHANGE IN DESIGN, CONSTRUCTION, AND OPERATION OR MAINTENANCE HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS, OR IF THE SWPPP PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF THE SWPPP.
- THE CONTRACTOR SHALL ALSO MAINTAIN THE FOLLOWING RECORDS ON SITE:
 - GENERAL CONTRACTOR AND/OR SUBCONTRACTOR SWPPP CERTIFICATIONS
 - THE DATE, TIME, AND EXACT LOCATION OF THE INSPECTION, AND THE NAME OF THE INSPECTOR
 - AN ASSESSMENT OF THE CONDITION OF THE EROSION CONTROLS
 - A DESCRIPTION OF ANY EROSION CONTROL IMPLEMENTATION AND MAINTENANCE PERFORMED
 - A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION AT THE SITE
- CONSTRUCTION SEQUENCE
 - ALL PERIMETER SILT FENCE, INLET PROTECTION AND OTHER EROSION CONTROLS SHALL BE IN PLACE BEFORE ANY OTHER EARTH MOVING ACTIVITIES BEGIN
 - THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THE AREAS PLANNED FOR EARTH MOVING.
 - REMOVE TOPSOIL, STOCKPILE IT, AND INSTALL SILT FENCE AROUND PERIMETER
 - SEED SOIL STOCKPILE WITH PERENNIAL RYE GRASS AND MULCH WITH STRAW IF NO TO BE DISTURBED FOR MORE THAN 21 DAYS.
 - INSTALL STORM SEWER SYSTEM AND SURFACE STORM INLET AND MANHOLE PROTECTION WHERE REQUIRED.
 - ESTABLISH A TEMPORARY SEEDING ON ALL BARE AREAS THAT ARE TO REMAIN UNDISTURBED FOR MORE THAN 21 DAYS. SEED WITH PERENNIAL RYE GRASS MULCH WITH STRAW.
 - IMMEDIATE AFTER TOPSOIL HAS BEEN PLACED, STABILIZE THE SAME SURFACE AREA WITH FINAL SEED AND MULCH 7 DAYS AFTER REACHING FINAL GRADE.
 - AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL PRACTICES.
- EROSION CONTROLS MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5" OR GREATER RAINFALL. REMOVE ACCUMULATED SEDIMENT FROM EROSION CONTROLS.
- TEMPORARY SEEDING SHALL BE PERENNIAL RYE GRASS (40 LB / ACRE) AND MULCH AT 3 BALES OF STRAW PER 1000 S.F.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING BORROW MATERIAL ONSITE AND / OR DISPOSING OF EXCESS MATERIAL OFF SITE AS REQUIRED TO MEET INDICATED DESIGN ELEVATIONS.
- DEBRIS SHALL BE COLLECTED WITHIN PROPERTY LIMITS WEEKLY OR AS NEEDED FOR PUBLIC SAFETY. SURROUNDING STREETS AFFECTED BY THE CONSTRUCTION SHALL BE CLEANED DAILY OR AS NEEDED FOR PUBLIC SAFETY. SEE CONSTRUCTION ENTRANCE DETAIL IN SWPPP DETAILS SHEET.
- THE CONSTRUCTION OF BMPs SHALL BE REVISED OR ADDED IF DEEMED NECESSARY PER SECTION 1000 OF THE SANITATION DISTRICT 1 REGULATIONS.
- CONTACT SANITATION DISTRICT NO. 1 72 HOURS PRIOR TO INSTALLATION OF THE WATER QUALITY FEATURE.

NOTES:

- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
- THE SITE SHALL BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
- TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.
- THE SEEDBED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC, OR FERTILIZER AT 500 LB/AC, OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED.
- SEEDING SHOULD BE APPLIED FROM MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THESE DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND.
- SEEDING SHOULD NOT BE APPLIED FROM OCTOBER 1 TO NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE BUT WILL NOT SURVIVE THE WINTER. USE THE FOLLOWING METHODS FOR DORMANT SEEDING:
 - FROM OCTOBER 1 TO NOVEMBER 20, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, MULCH AND ANCHOR.
 - FROM NOVEMBER 20 TO MARCH 15, ONLY IF SOIL CONDITIONS PERMIT, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, APPLY THE SEED MIXTURE, MULCH AND ANCHOR.
- APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING.
- PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED. AVOID EXCESSIVE IRRIGATION AND MONITOR TO PREVENT EROSION AND DAMAGE FROM RUNOFF.
- PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. DURING THIS PERIOD, INSPECT FOR SOIL EROSION OR PLANT LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED OR RE-MULCH AS NEEDED.
- A MINIMUM OF 70% GROWTH DENSITY, BASED ON A VISUAL INSPECTION, MUST EXIST FOR AN ADEQUATE PERMANENT VEGETATIVE PLANTING.
- ALL SEEDING MIX, FERTILIZER AND MULCH SHALL CONFORM TO SECTION 02370 OF THE SANITATION DISTRICT NO. 1 SPECIFICATIONS.

NOTES:

- PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:
 - TENSILE STRENGTH = 200 LBS.
 - PUNCTURE STRENGTH = 80 PSI
 - TEAR STRENGTH = 50 LBS.
 - BURST STRENGTH = 320 PSI
 - ELONGATION = 20%
 - EQUIVALENT OPENING SIZE ≤ 0.6 MM
 - PERMITTIVITY = 0.001 CM/SEC
- APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.
- IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCES SHALL NOT BE RELED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.



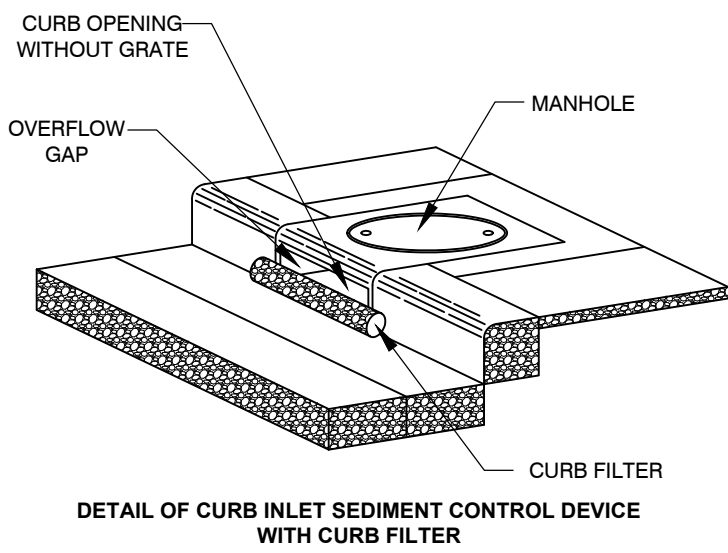
CONSTRUCTION ENTRANCE
SCALE: NONE

NOTES:

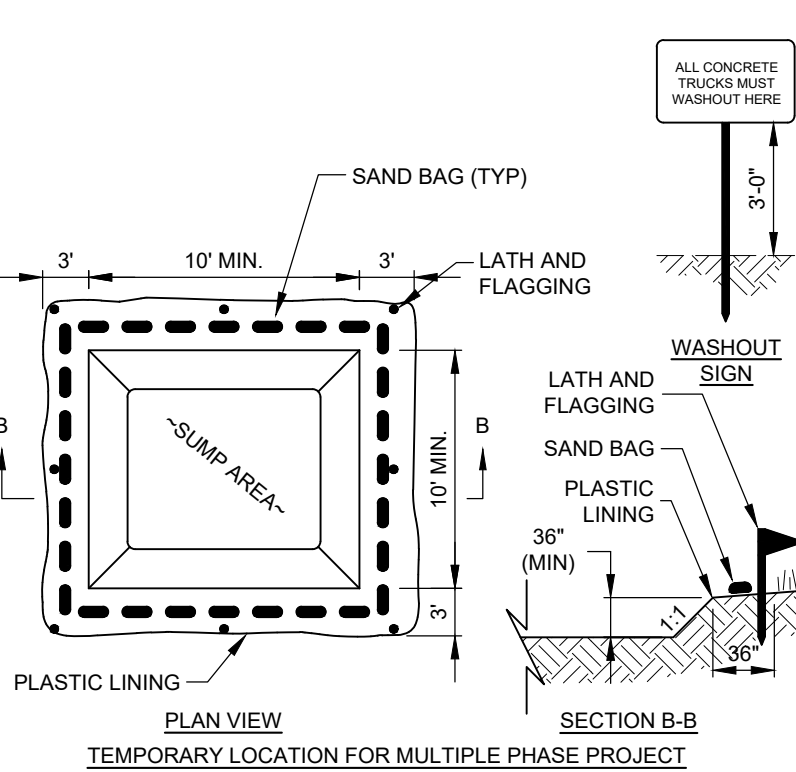
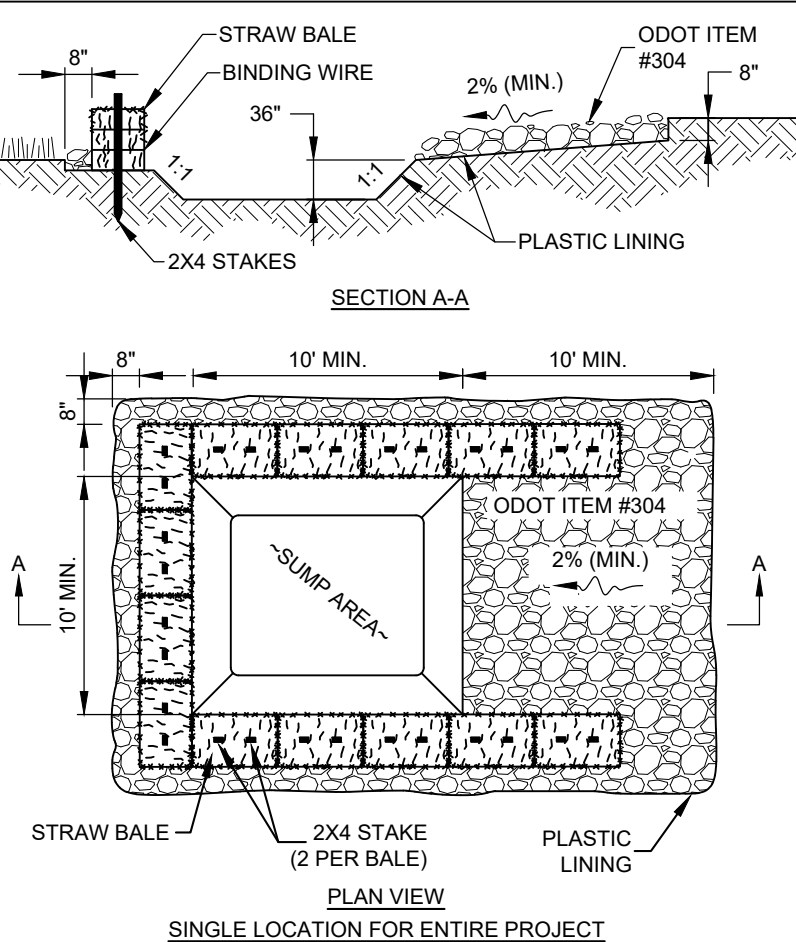
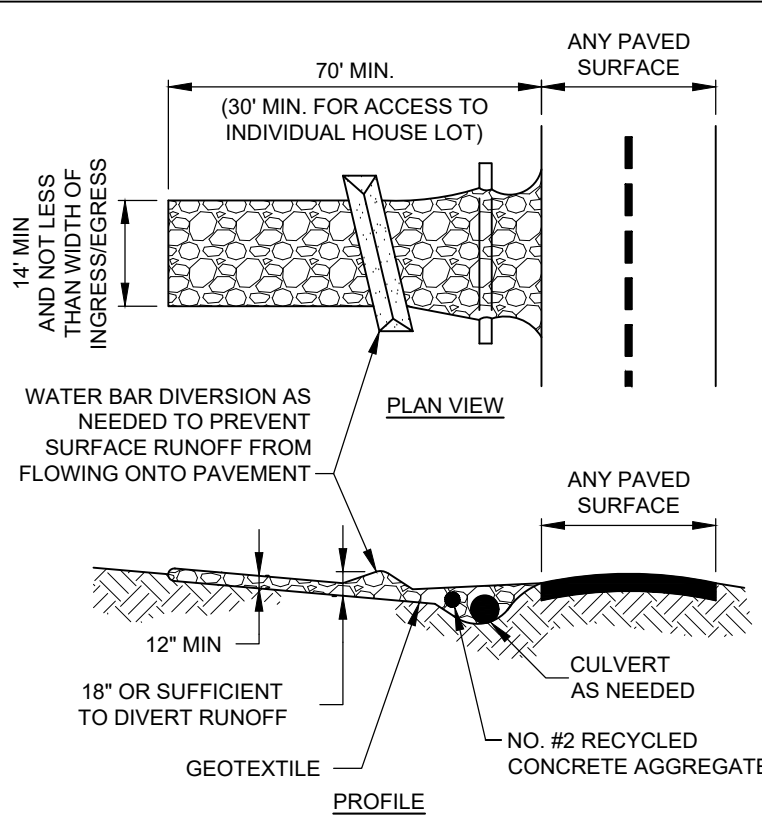
- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE.
- APPLY MULCHING IMMEDIATELY AFTER SEEDING.
- SEEDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS, AND RESEEDED AS NECESSARY.

TEMPORARY SEEDING SPECIES SELECTION			
DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1 TO AUGUST 15	OATS	3	128
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
AUGUST 16 TO NOVEMBER 1	RYE	3	112
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	WHEAT	3	120
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
NOVEMBER 1 TO SPRING	ONLY MULCH OR DORMANT SEEDING.		

TEMPORARY SEEDING DETAIL
SCALE: NONE



DANDY CURB
SCALE: NONE

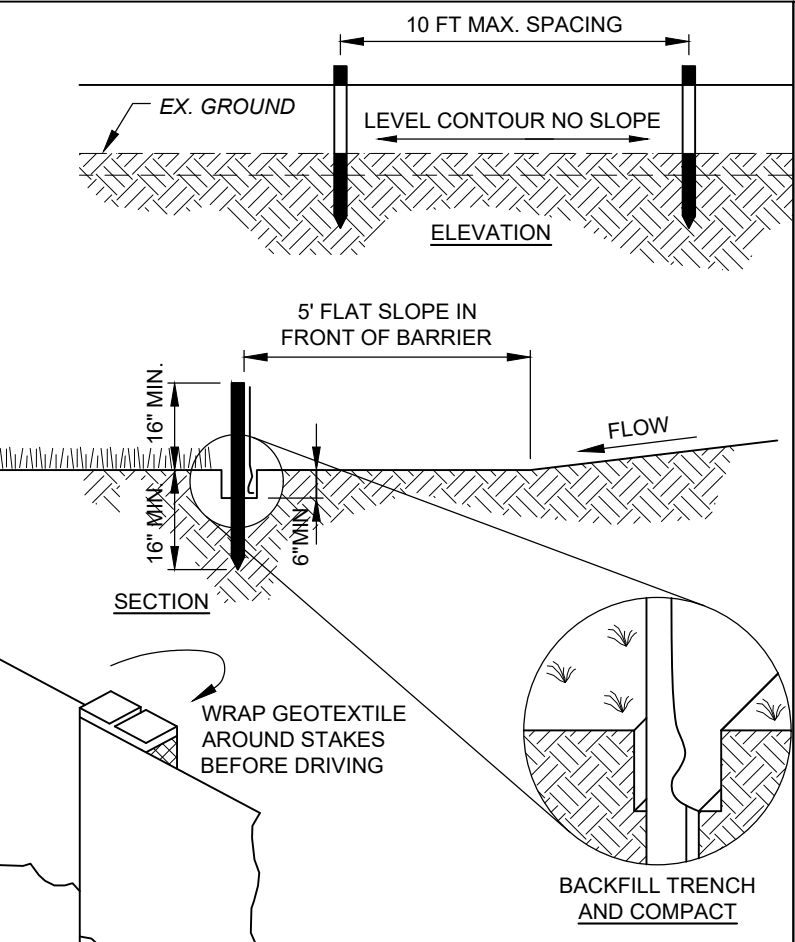


NOTES:

- WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
- ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN THE CONCRETE WASHOUT AREA. DISPOSAL OF EXCESS CONCRETE OR CONCRETE WASHOUT ON THE GROUND, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.
- CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.
- IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE.
- PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-MIL POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS.
- CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
- CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOWS.
- PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE, BUT MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE.
- CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND TO DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OR REPLACED WHEN IT IS 75% FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH CLEANING.
- SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.



CONCRETE WASHOUT DETAIL
SCALE: NONE



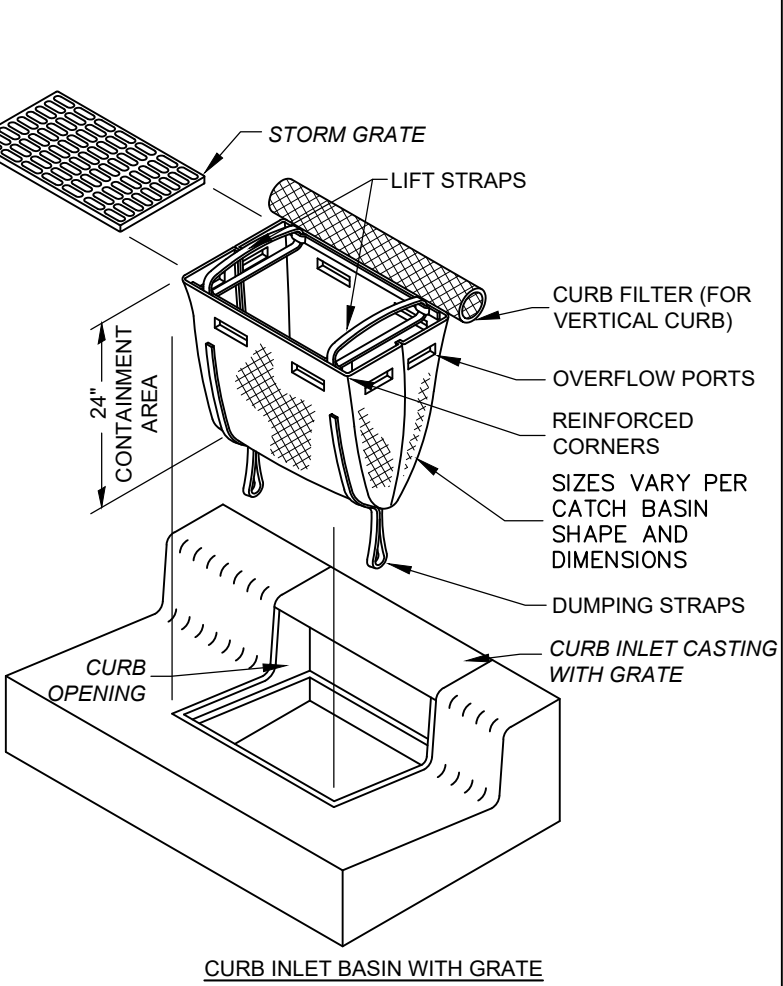
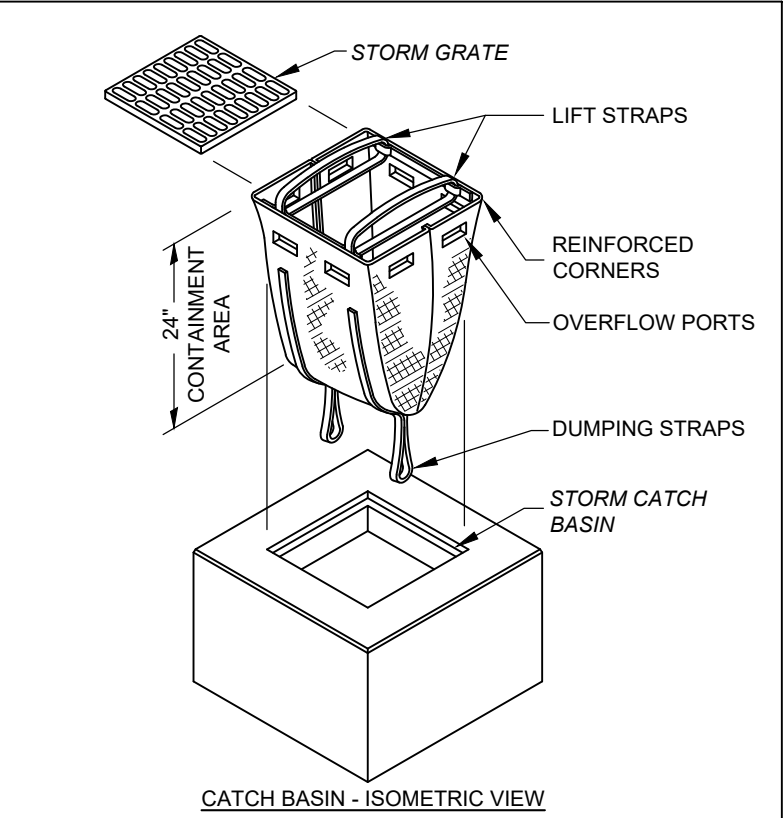
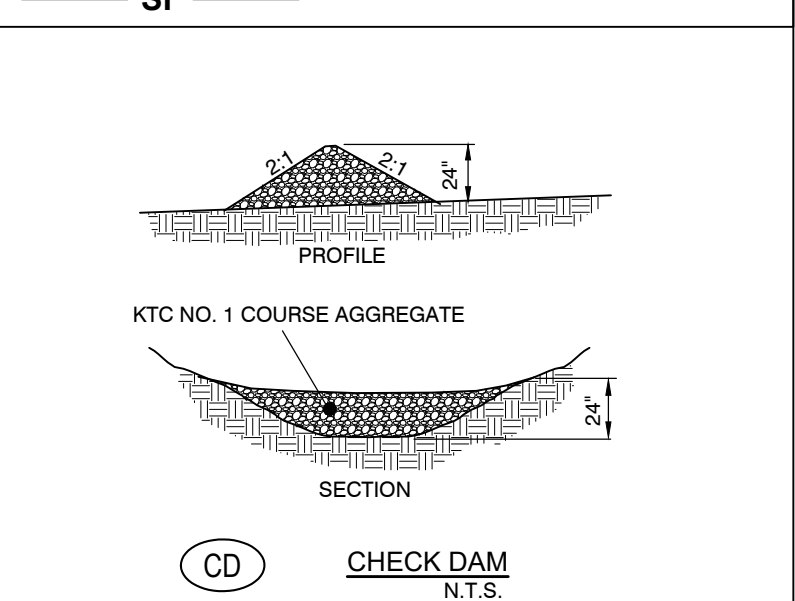
NOTES:

- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
- SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
 - CHANGE THE LAYOUT OF THE SILT FENCE.
 - REMOVE ACCUMULATED SEDIMENT.
 - INSTALL OTHER PRACTICES.

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

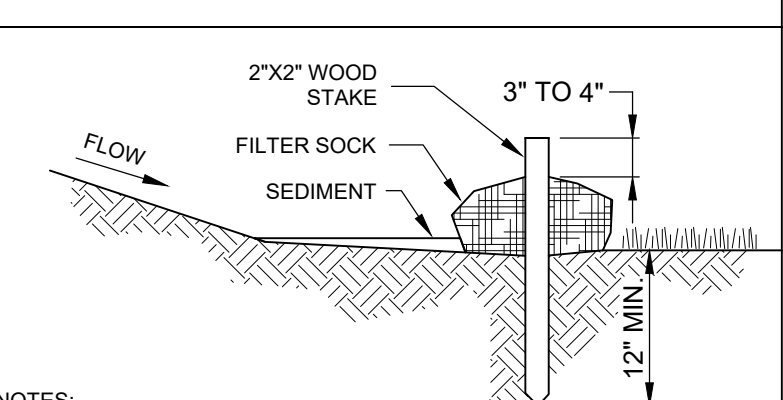


SILT FENCE
SCALE: NONE



CURB INLET BASIN WITH GRATE

STORM DRAIN INLET PROTECTION DETAIL
SCALE: NONE



NOTES:

- FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST.
- COMPOST SHALL BE WEED, PATHOGEN AND INSECT FREE, FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER, AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
- FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES PARALLEL TO THE BASE OF THE SLOPE.
- FILTER SOCKS SHALL BE PLACED AT LEAST 5' FROM THE TOE OF SLOPE FOR SEDIMENT DEPOSIT.
- BUILT UP SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED 1/3 THE FILTER SOCK HEIGHT.
- WHEN A FILTER SOCK IS NO LONGER REQUIRED, IT SHALL BE DISPERSED ON-SITE.
- THE MAXIMUM DRAINAGE AREA PER 100 FEET OF FILTER SOCK IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE.

MAX. SLOPE LENGTH ABOVE FILTER SOCK					
SLOPE	RATIO (H:V)	8'	12'	18'	24'
0% - 2%	0 - 50:1	125'	250'	300'	350'
2% - 10%	50:1 - 10:1	100'	125'	200'	250'
10% - 20%	10:1 - 5:1	75'	100'	150'	200'

FILTER SOCK DETAIL
SCALE: NONE

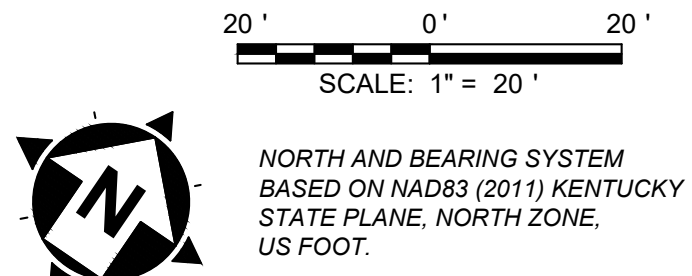
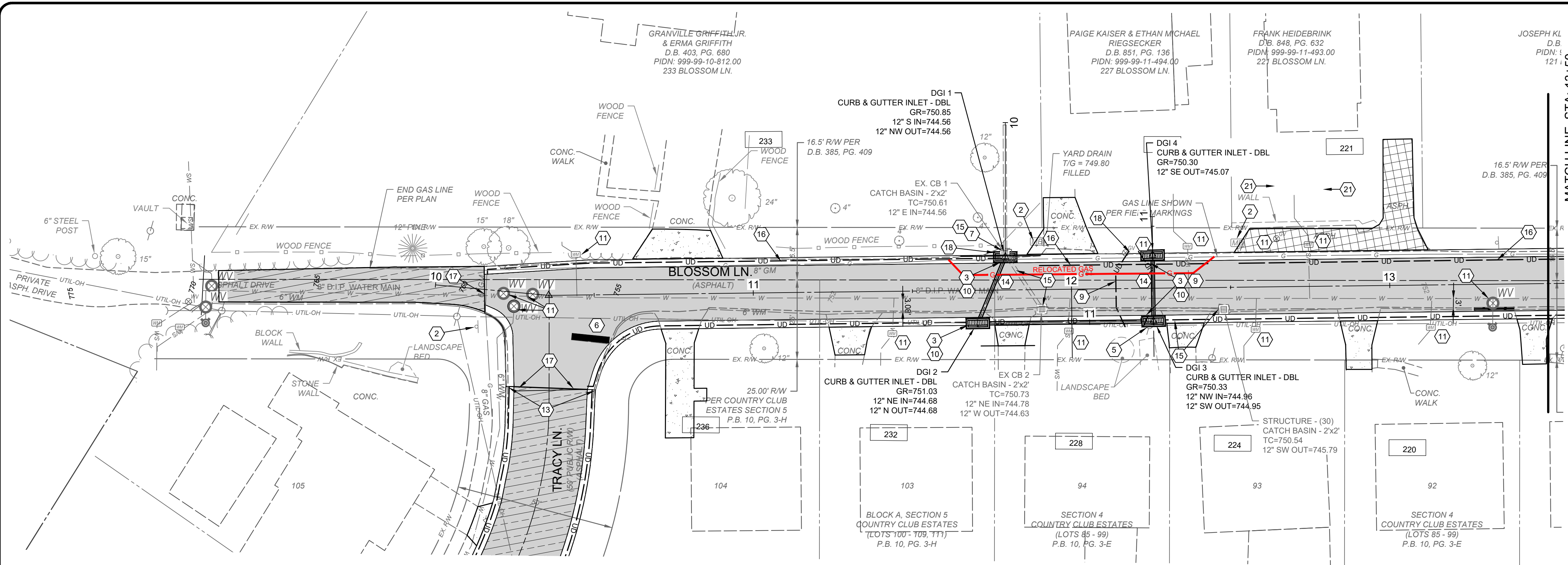


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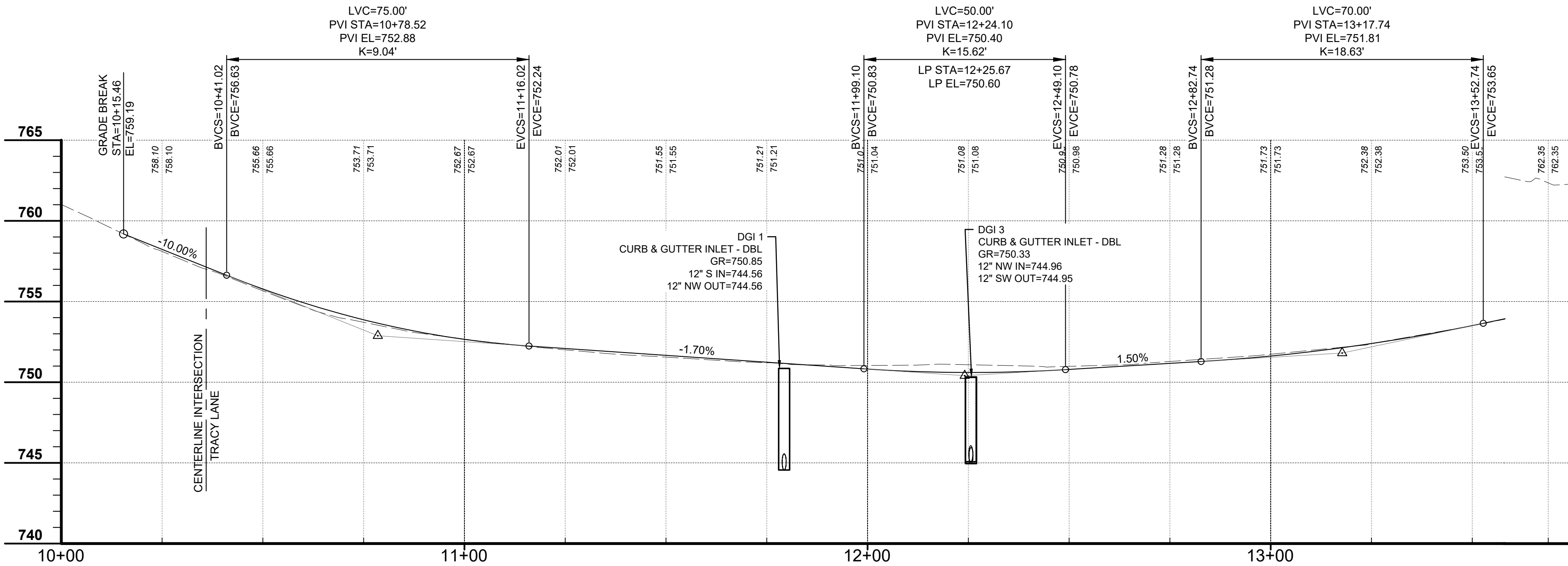
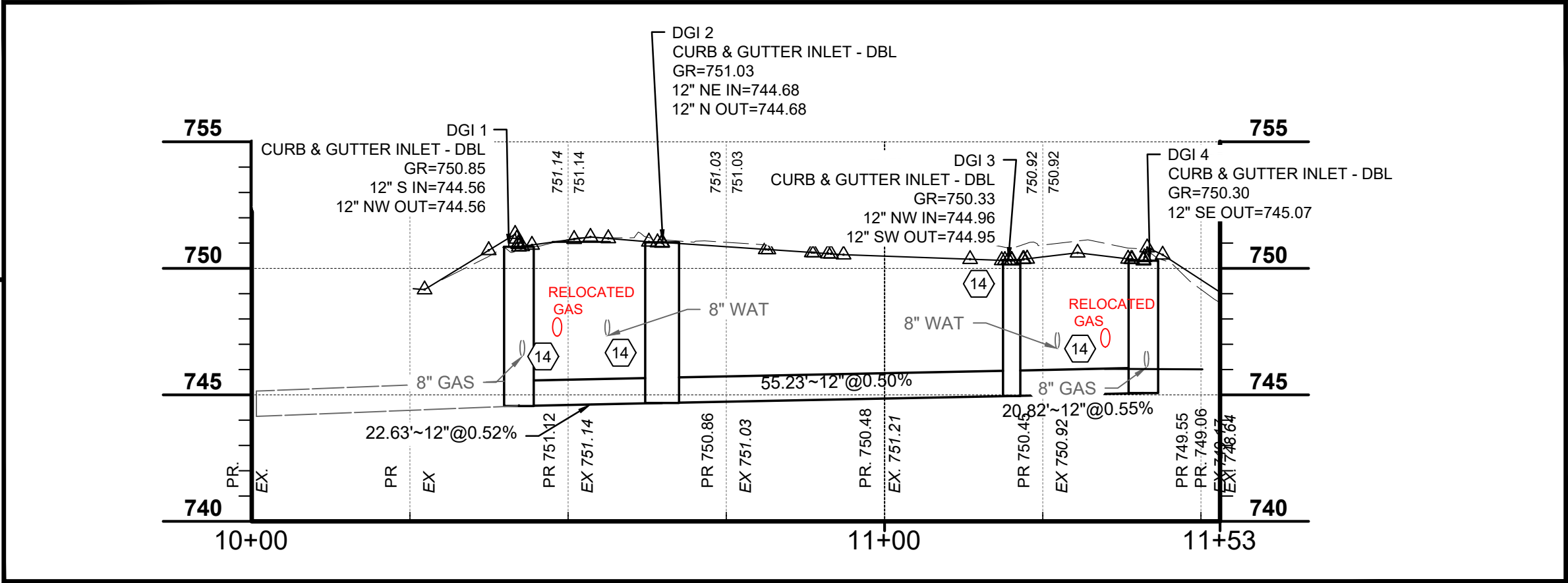
DATE	REVISION	NO	BIDDING	ISSUED FOR:	SCALE	DESIGNED BY:	DRAWN BY:	CHECKED BY:

BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -
EROSION CONTROL DETAIL SHEET

PROJECT NO.	37135
DISCIPLINE	CIVIL
SHEET NAME	C5
SHEET	OF
5	13



- CONSTRUCTION NOTES**
- DO NOT DISTURB
 - REMOVE, SALVAGE, & REINSTALL/RELOCATE EXIST. SIGN OR MAILBOX (INCIDENTAL TO ITEM 202 - CLEARING AND GRUBBING).
 - INSTALL STANDARD DOUBLE GRATE CURB INLET PER DETAIL. CONNECT TO EXISTING PIPE OR PROPOSED PIPE AS SHOWN ON PLAN. EXISTING AND PROPOSED PIPE CONNECTIONS TO THE CURB INLET SHALL BE INCIDENTAL TO "DOUBLE GRATE CURB INLET" ITEM.
 - INSTALL DOUBLE GRATE CURB INLET WITH MOUNTABLE GRATE
 - POWER POLE TO BE RELOCATED BY UTILITY OWNER.
 - 24" STOP BAR - WHITE THERMOPLASTIC
 - CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE (INCIDENTAL TO THE DOUBLE GRATE CURB INLET ITEM)
 - NOT USED
 - INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 2). CONNECT TO PROPOSED EDGE DRAIN.
 - CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
 - ADJUST VALVE OR METER TO FINISHED GRADE
 - ADJUST SANITARY MANHOLE TO GRADE PER SD1 SPECIFICATIONS
 - TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
 - CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT)
 - REMOVE EXISTING DRAINAGE STRUCTURE (INCLUDED IN CLEARING AND GRUBBING)
 - CONTRACTOR TO COORDINATE UNDERDRAIN LOCATIONS WITH EXISTING 8" GAS MAIN. COORDINATE WORK WITH THE CITY AND DUKE ENERGY.
 - SAWCUT EXISTING PAVEMENT. MATCH EXISTING PAVEMENT LINE AND GRADE.
 - ADJUST CURB LOCATION AND INLET LOCATION AS NEEDED TO AVOID GAS MAIN. SUPPORT AND PROTECT GAS MAIN. COORDINATE WORK WITH DUKE GAS.
 - CONSTRUCT HANDICAPP RAMP PER DETAIL SHEET C4.
 - CONNECT DOWNSPOUT LINE TO COLLECTOR LINE. SEE DETAIL SHEET C4.
 - REMOVE EXISTING MODULAR BLOCK RETAINING WALL AND REPLACE WITH MODULAR BLOCK RETAINING WALL PER DETAIL SHEET C4.
 - REMOVE AND REPLACE EXISTING DOUBLE CURB BOX INLET PER DETAIL SHEET C4. RECONNECT EXISTING STORM PIPES.



HATCH LEGEND	
	PROPOSED PAVEMENT REPLACEMENT CURB AND GUTTER SECTION WITH EDGE DRAIN
	ASPHALT PAVEMENT OVERLAY ON EXISTING CONCRETE STREET WITH ASPHALT OVERLAY
	6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
	ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
	FULL DEPTH PAVEMENT REPAIR PER DETAIL

verdantas

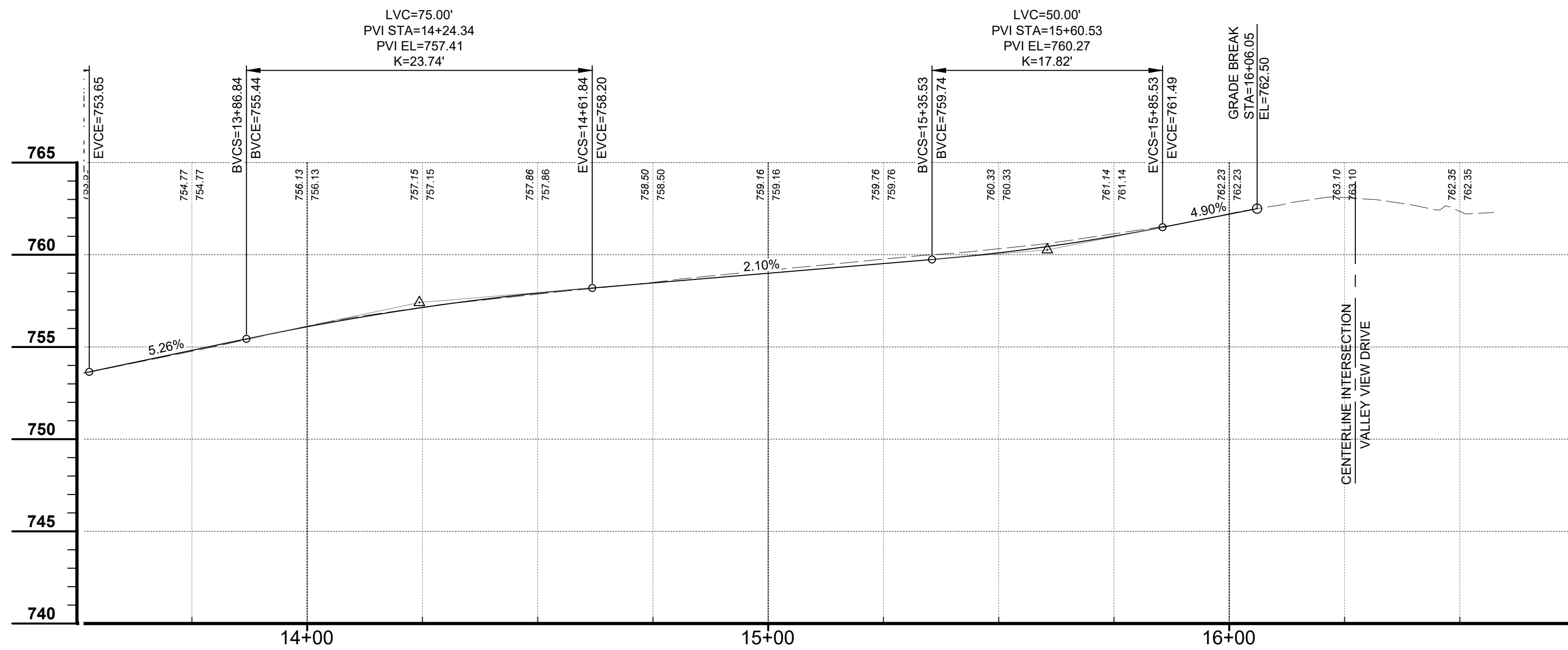
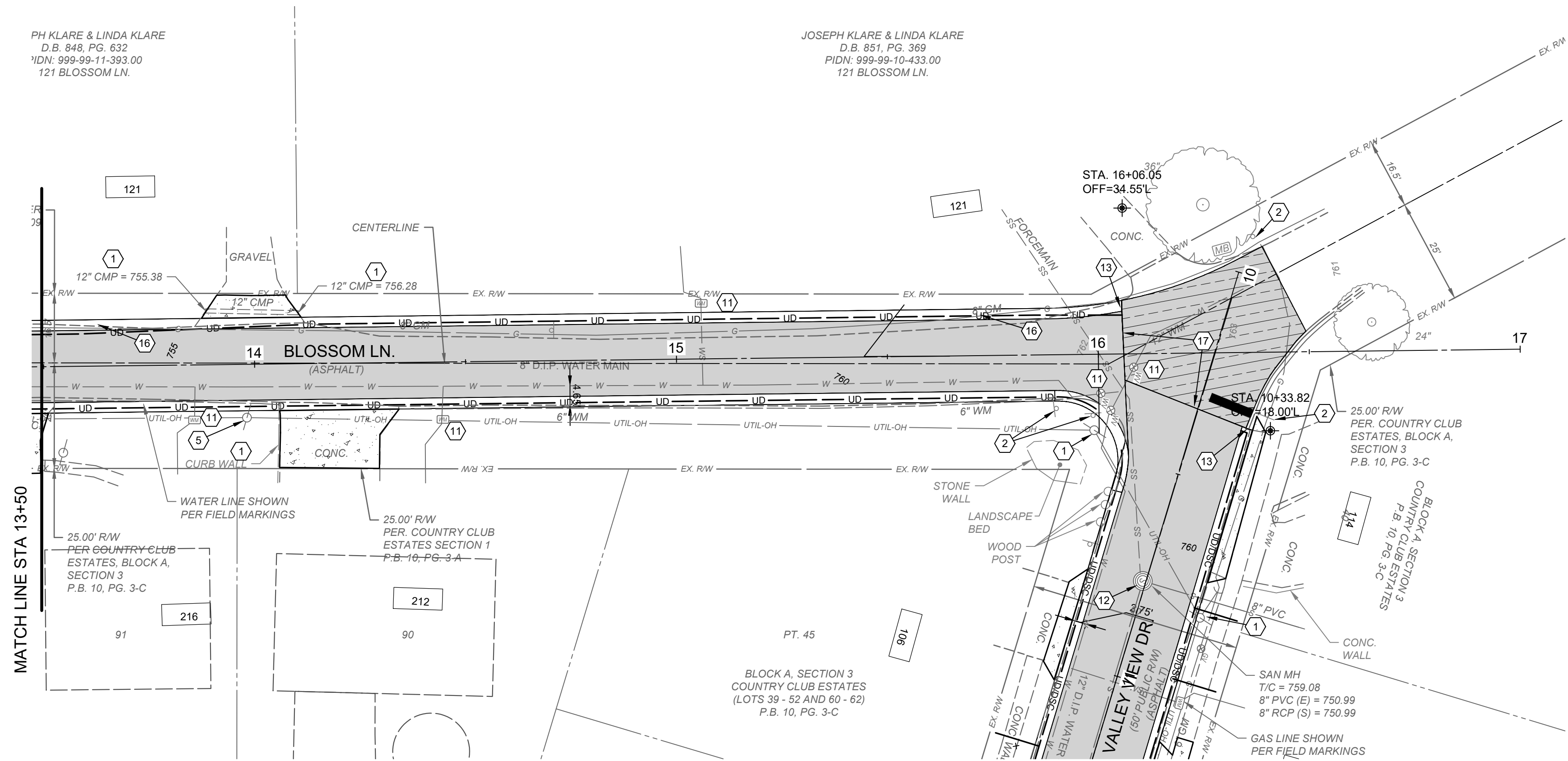
2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
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BLOSSOM LANE AND VALLEY VIEW DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -

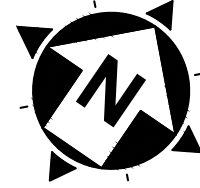
PROJECT NO.	
37135	
DISCIPLINE	
CIVIL	
SHEET NAME	
C6	
SHEET	OF
6	13

PH KLARE & LINDA KLARE
D.B. 848, PG. 632
PIDN: 999-99-11-393.00
121 BLOSSOM LN.

JOSEPH KLARE & LINDA KLARE
D.B. 851, PG. 369
PIDN: 999-99-10-433.00
121 BLOSSOM LN.



20' 0' 20'
SCALE: 1" = 20'



NORTH AND BEARING SYSTEM
BASED ON NAD83 (2011) KENTUCKY
STATE PLANE, NORTH ZONE,
US FOOT.

CONSTRUCTION NOTES

- DO NOT DISTURB
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- INSTALL DOUBLE GRATE CURB INLET WITH MOUNTABLE GRATE
- POWER POLE TO BE RELOCATED BY UTILITY OWNER.
- 24" STOP BAR - WHITE THERMOPLASTIC
- CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE (INCIDENTAL TO THE DOUBLE GRATE CURB INLET ITEM)
- NOT USED
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- CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
- ADJUST VALVE OR METER TO FINISHED GRADE
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HATCH LEGEND

- | | |
|--|---|
| | PROPOSED PAVEMENT REPLACEMENT CURB AND GUTTER SECTION WITH EDGE DRAIN |
| | ASPHALT PAVEMENT OVERLAY ON EXISTING CONCRETE STREET WITH ASPHALT OVERLAY |
| | 6" CONCRETE DRIVEWAY REPLACEMENT
- SEE DETAIL SHEET |
| | ASPHALT DRIVEWAY REPLACEMENT
- SEE DETAIL SHEET |
| | FULL DEPTH PAVEMENT REPAIR PER DETAIL. |

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TEL: (859) 522-0544
WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
1/14/2026	AS NOTED	DGAR	DGAR	JSHU
SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	

**BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS**

- THE CITY OF SOUTHGATE, CAMPBELL CO., KENTUCKY -

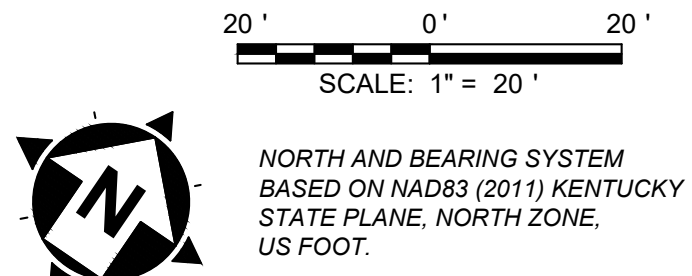
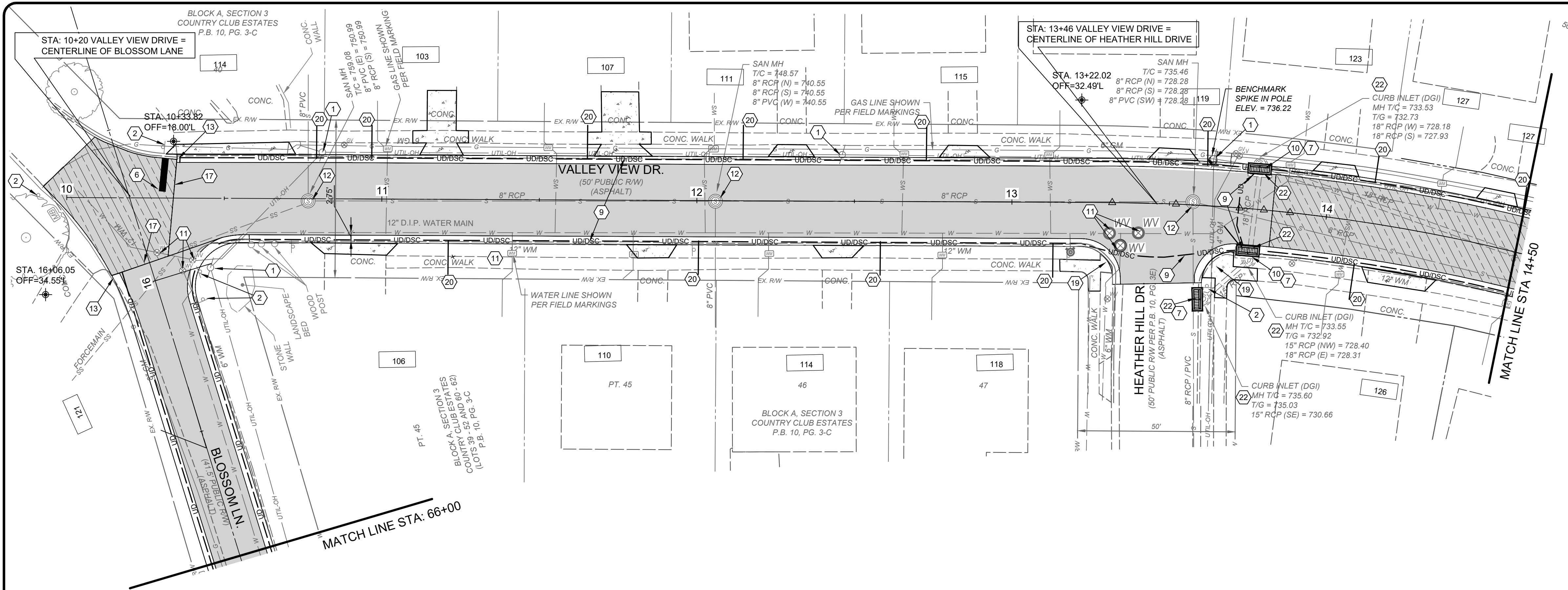
BLOSSOM LANE PNP SHEET 2

PROJECT NO:
37135

DISCIPLINE
CIVIL

SHEET NAME
C7

SHEET 7 OF 13

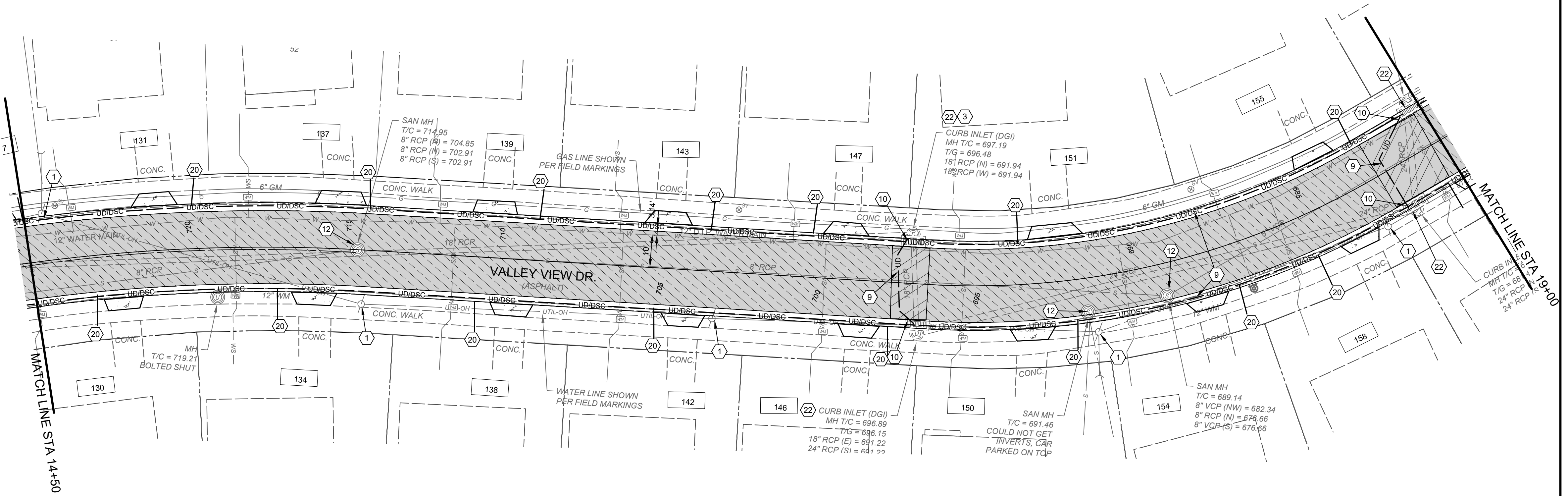


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HATCH LEGEND

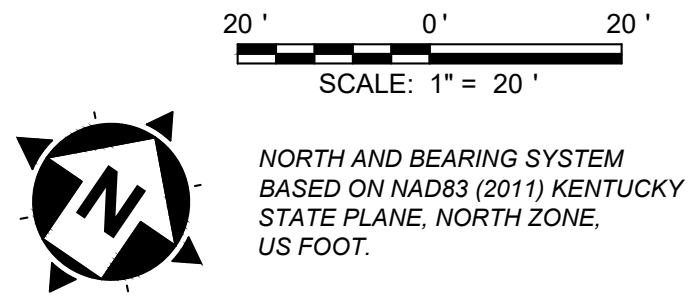
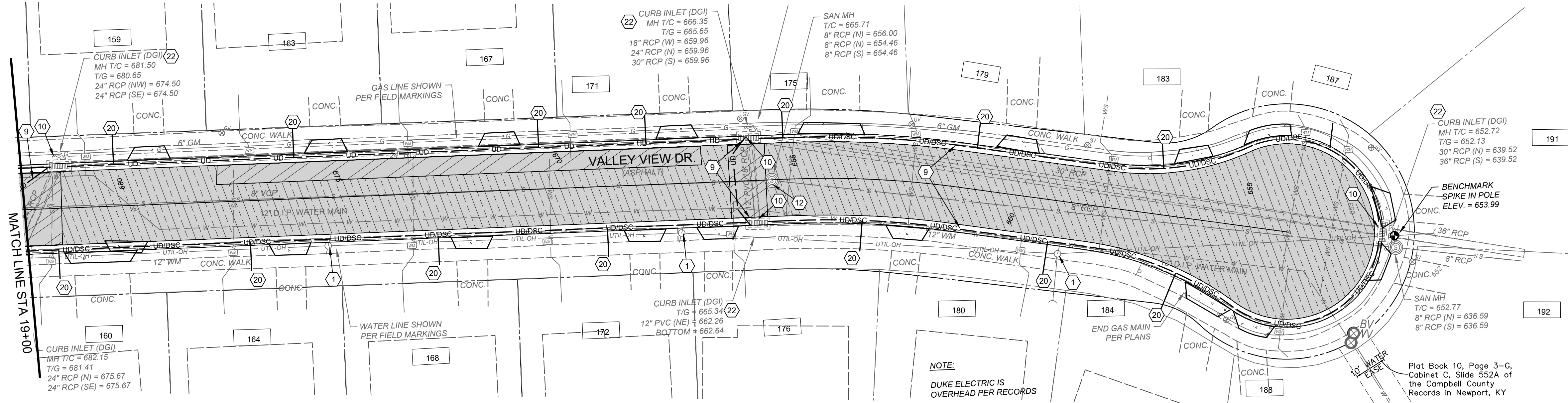
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- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
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- FULL DEPTH PAVEMENT REPAIR PER DETAIL



2161 CHAMBER CENTER DRIVE
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BLOSSOM LANE AND VALLEY VIEW DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE, CAMPBELL CO., KENTUCKY -
VALLEY VIEW DRIVE PNP SHEET 1

PROJECT NO.	37115
DISCIPLINE	CIVIL
SHEET NAME	C8
SHEET	8
OF	13



CONSTRUCTION NOTES

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HATCH LEGEND

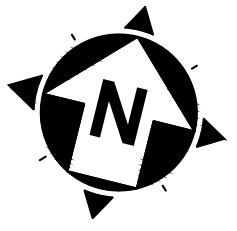
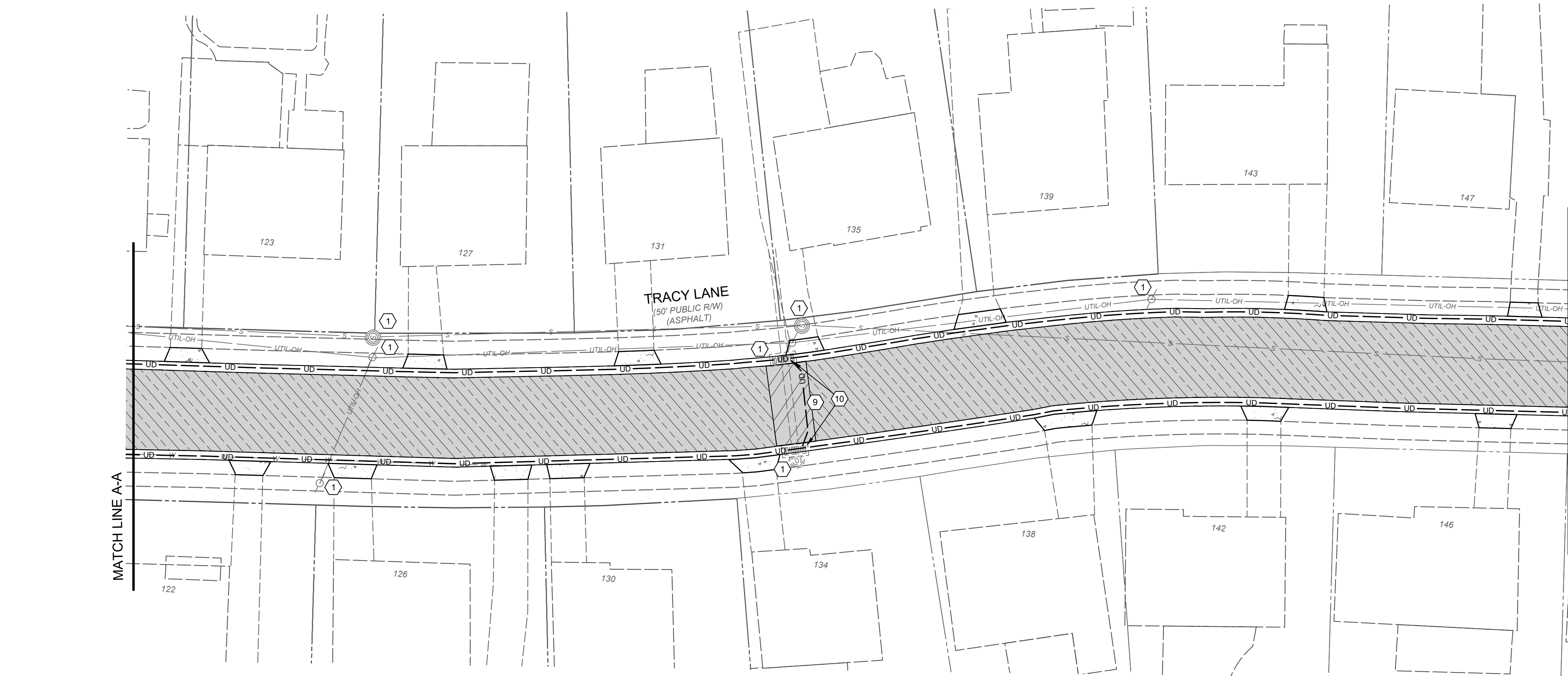
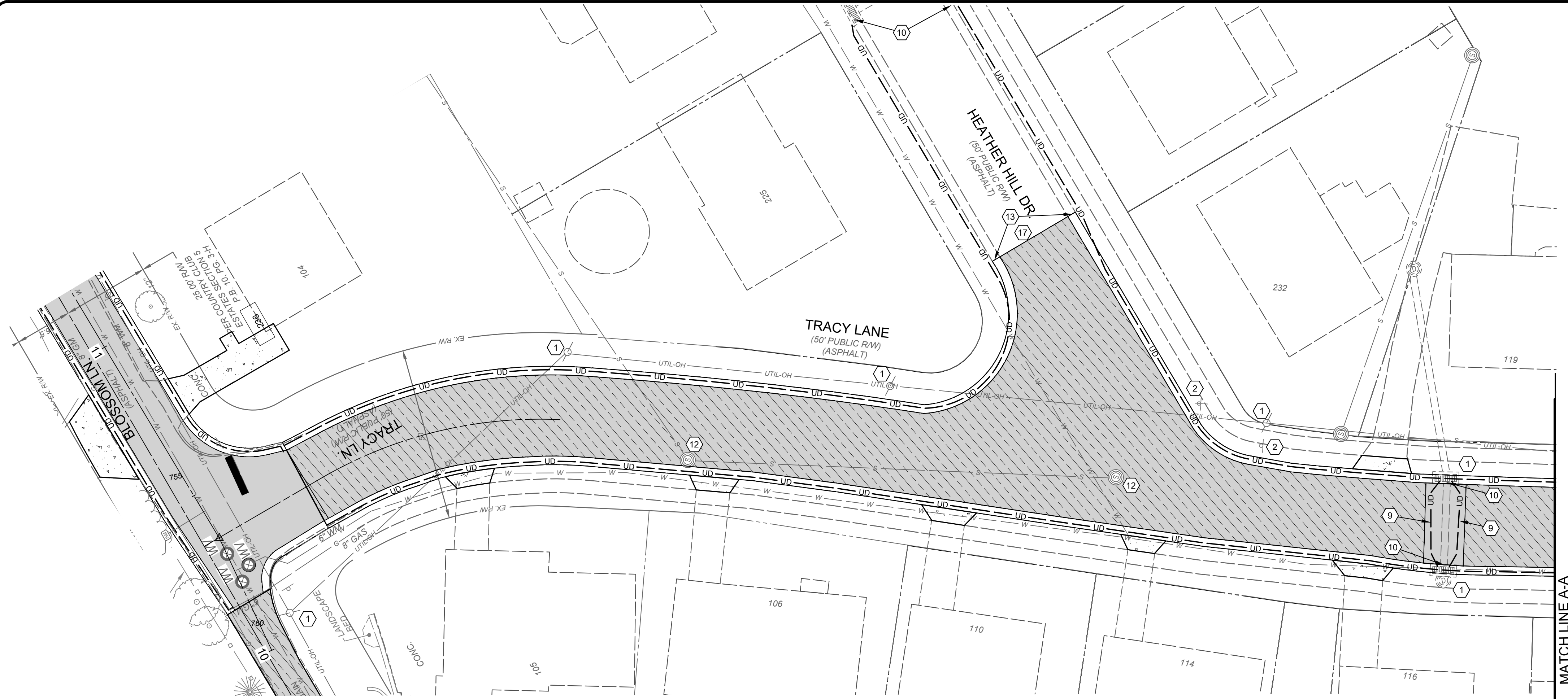
- | | |
|--|---|
| | PROPOSED PAVEMENT REPLACEMENT CURB AND GUTTER SECTION WITH EDGE DRAIN |
| | ASPHALT PAVEMENT OVERLAY ON EXISTING CONCRETE STREET WITH ASPHALT OVERLAY |
| | 6" CONCRETE DRIVEWAY REPLACEMENT
- SEE DETAIL SHEET |
| | ASPHALT DRIVEWAY REPLACEMENT
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BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE, CAMPBELL CO., KENTUCKY -
VALLEY VIEW DRIVE PNP SHEET 2

PROJECT NO:	
37135	
DISCIPLINE	
CIVIL	
SHEET NAME	
C9	
SHEET	OF
9	13



20' 0' 20'
SCALE: 1" = 20'

NORTH AND BEARING SYSTEM
BASED ON NAD83 (2011) KENTUCKY
STATE PLANE, NORTH ZONE,
US FOOT.

CONSTRUCTION NOTES

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- CONNECT DOWNSPOUT LINE TO COLLECTOR LINE. SEE DETAIL SHEET C4.
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HATCH LEGEND

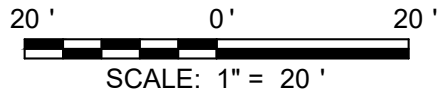
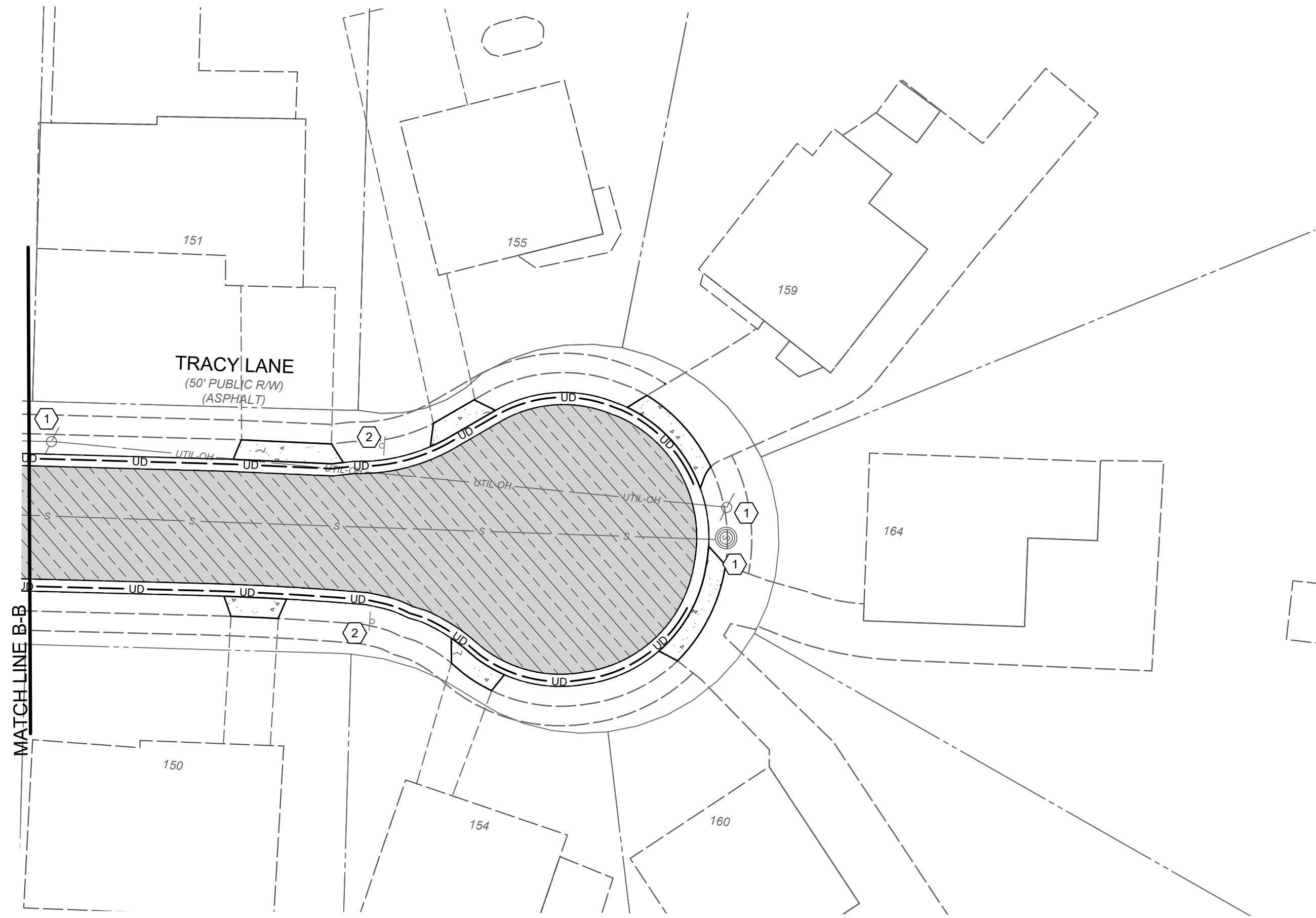
- PROPOSED PAVEMENT REPLACEMENT CURB AND GUTTER SECTION WITH EDGE DRAIN
- ASPHALT PAVEMENT OVERLAY ON EXISTING CONCRETE STREET WITH ASPHALT OVERLAY
- 6" CONCRETE DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- ASPHALT DRIVEWAY REPLACEMENT - SEE DETAIL SHEET
- FULL DEPTH PAVEMENT REPAIR PER DETAIL



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**BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS**
- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -
VALLEY VIEW DRIVE PNP SHEET 2

PROJECT NO: 37135	
DISCIPLINE CIVIL	
SHEET NAME C10	
SHEET 10	OF 13

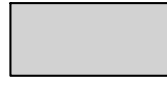


NORTH AND BEARING SYSTEM
BASED ON NAD83 (2011) KENTUCKY
STATE PLANE, NORTH ZONE,
US FOOT.

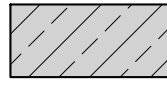
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- POWER POLE TO BE RELOCATED BY UTILITY OWNER.
- 24" STOP BAR - WHITE THERMOPLASTIC
- CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE (INCIDENTAL TO THE DOUBLE GRATE CURB INLET ITEM)
- NOT USED
- INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 2). CONNECT TO PROPOSED EDGE DRAIN.
- CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
- ADJUST VALVE OR METER TO FINISHED GRADE
- ADJUST SANITARY MANHOLE TO GRADE PER SD1 SPECIFICATIONS
- TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
- CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT)
- REMOVE EXISTING DRAINAGE STRUCTURE (INCLUDED IN CLEARING AND GRUBBING)
- CONTRACTOR TO COORDINATE UNDERDRAIN LOCATIONS WITH EXISTING 8" GAS MAIN. COORDINATE WORK WITH THE CITY AND DUKE ENERGY.
- SAWCUT EXISTING PAVEMENT. MATCH EXISTING PAVEMENT LINE AND GRADE.
- ADJUST CURB LOCATION AND INLET LOCATION AS NEEDED TO AVOID GAS MAIN. SUPPORT AND PROTECT GAS MAIN. COORDINATE WORK WITH DUKE GAS.
- CONSTRUCT HANDICAPP RAMP PER DETAIL SHEET C4.
- CONNECT DOWNSPOUT LINE TO COLLECTOR LINE. SEE DETAIL SHEET C4.
- REMOVE EXISTING MODULAR BLOCK RETAINING WALL AND REPLACE WITH MODULAR BLOCK RETAINING WALL PER DETAIL SHEET C4.
- REMOVE AND REPLACE EXISTING DOUBLE CURB BOX INLET PER DETAIL SHEET C4. RECONNECT EXISTING STORM PIPES.

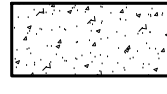
HATCH LEGEND



PROPOSED PAVEMENT REPLACEMENT CURB AND GUTTER SECTION WITH EDGE DRAIN



ASPHALT PAVEMENT OVERLAY ON EXISTING CONCRETE STREET WITH ASPHALT OVERLAY



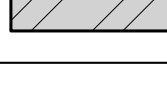
6" CONCRETE DRIVEWAY REPLACEMENT

- SEE DETAIL SHEET



ASPHALT DRIVEWAY REPLACEMENT

- SEE DETAIL SHEET



FULL DEPTH PAVEMENT REPAIR PER DETAIL

verdantas

2161 CHAMBER CENTER DRIVE
FORT MITCHELL, KENTUCKY 41017
TEL: (859) 525-0544
WWW.VERDANTAS.COM

BLOSSOM LANE AND VALLEY VIEW

DRIVE STREET IMPROVEMENTS

- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -

VALLEY VIEW DRIVE PNP SHEET 2

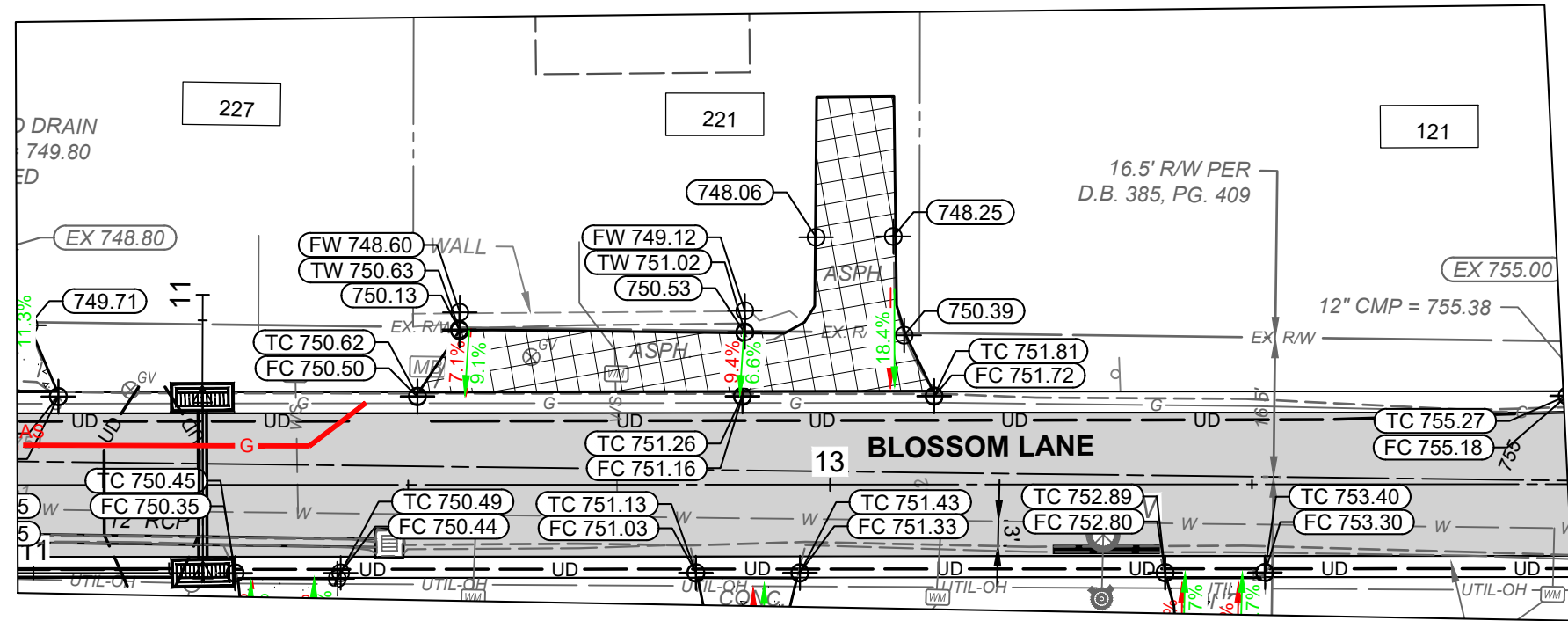
PROJECT NO:
37135

DISCIPLINE
CIVIL

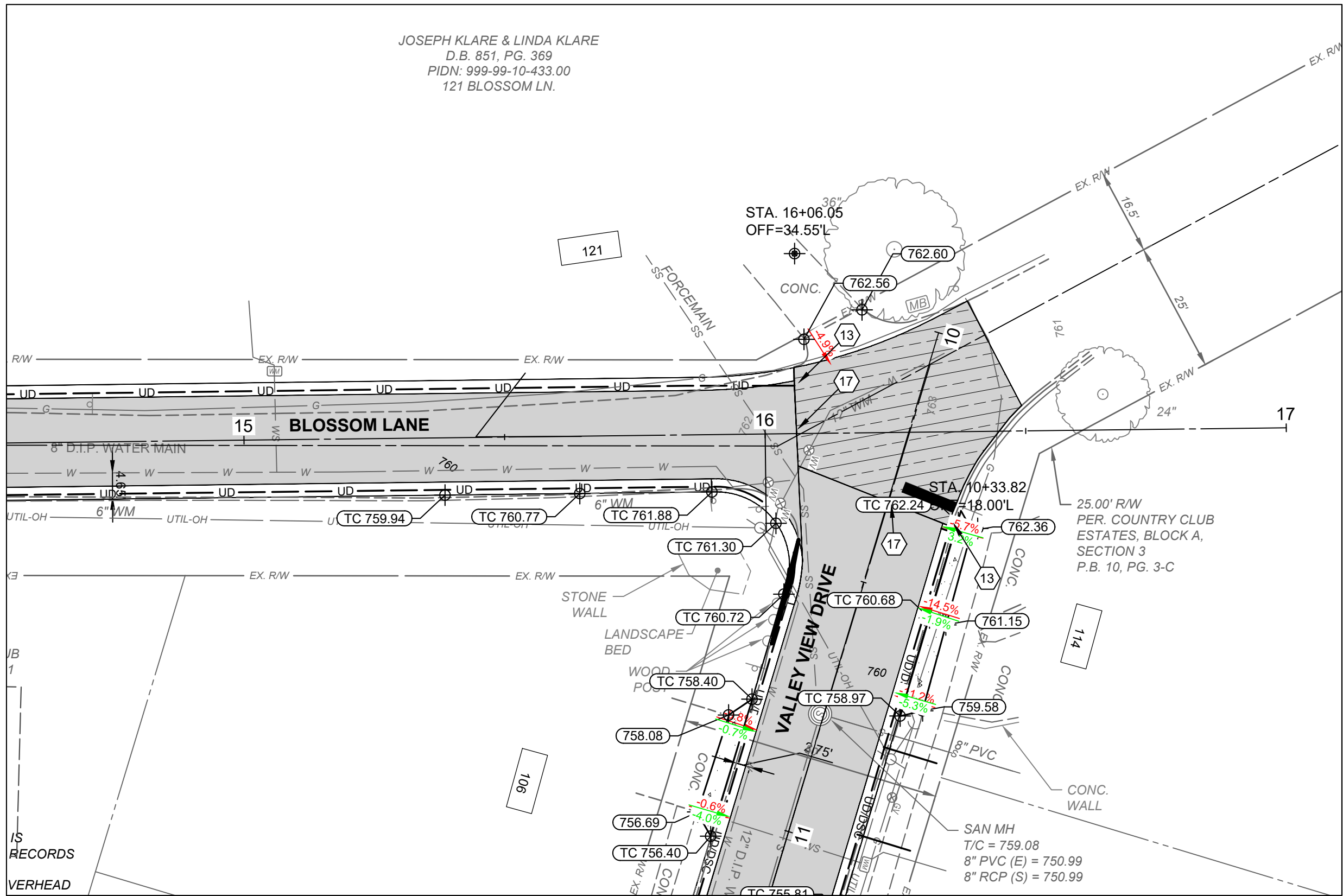
SHEET NAME
C11

SHEET
11

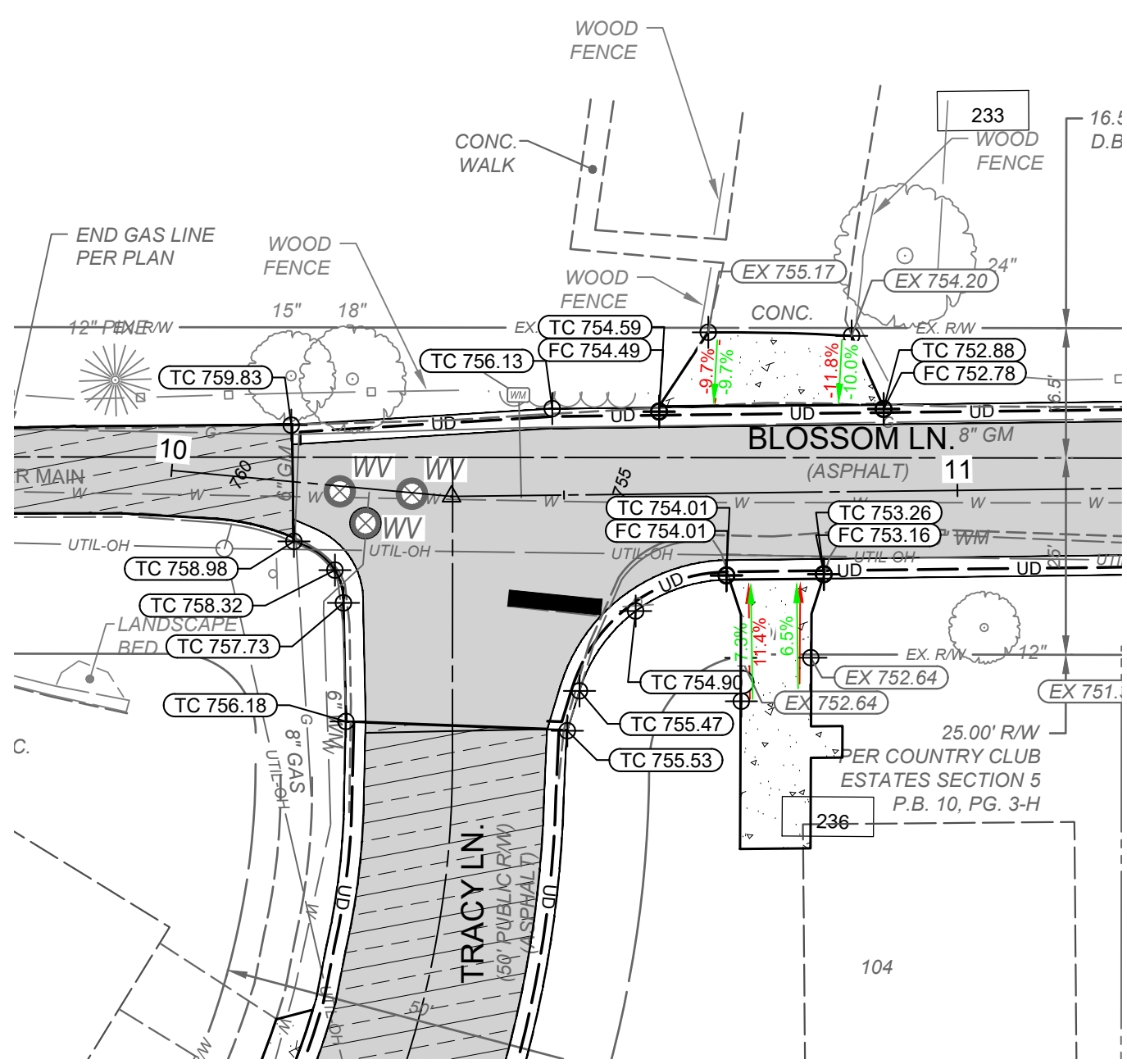
OF
13



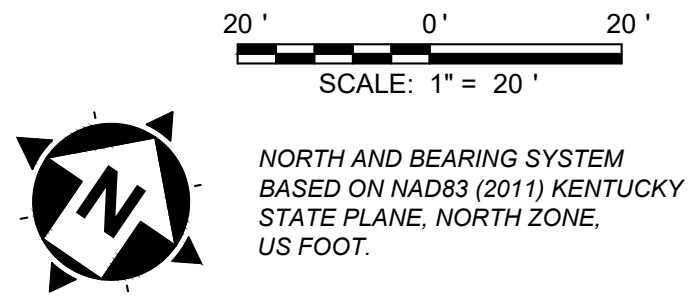
#221 BLOSSOM LANE PARKING PAD DETAIL



BLOSSOM LANE AND VALLEY VIEW DR. INTERSECTION DETAIL



BLOSSOM LANE AND TRACY LANE INTERSECTION DETAIL



CONSTRUCTION NOTES

- DO NOT DISTURB
- REMOVE, SALVAGE, & REINSTALL/RELOCATE EXIST. SIGN OR MAILBOX (INCIDENTAL TO ITEM 202 - CLEARING AND GRUBBING).
- INSTALL STANDARD DOUBLE GRATE CURB INLET PER DETAIL. CONNECT TO EXISTING PIPE OR PROPOSED PIPE AS SHOWN ON PLAN. EXISTING AND PROPOSED PIPE CONNECTIONS TO THE CURB INLET SHALL BE INCIDENTAL TO "DOUBLE GRATE CURB INLET" ITEM.
- INSTALL DOUBLE GRATE CURB INLET WITH MOUNTABLE GRATE POWER POLE TO BE RELOCATED BY UTILITY OWNER.
- 24" STOP BAR - WHITE THERMOPLASTIC
- CONNECT EXISTING PIPE TO PROPOSED STORM STRUCTURE (INCIDENTAL TO THE DOUBLE GRATE CURB INLET ITEM)
- NOT USED
- INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 2). CONNECT TO PROPOSED EDGE DRAIN.
- CONNECT PROP. UNDERDRAIN TO CURB INLET (INCIDENTAL TO UNDERDRAIN ITEM)
- ADJUST VALVE OR METER TO FINISHED GRADE
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- TRANSITION TO MATCH EXISTING CURB AND/OR SIDEWALK OVER 4 FEET.
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- REMOVE EXISTING DRAINAGE STRUCTURE (INCLUDED IN CLEARING AND GRUBBING)
- CONTRACTOR TO COORDINATE UNDERDRAIN LOCATIONS WITH EXISTING 8" GAS MAIN. COORDINATE WORK WITH THE CITY AND DUKE ENERGY.
- SAWCUT EXISTING PAVEMENT. MATCH EXISTING PAVEMENT LINE AND GRADE.
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DEMOLITION NOTES

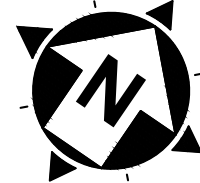
- SPOT ELEVATION (TOP OF PAVEMENT)
- SPOT ELEVATION (TOP OF CURB)
- SPOT ELEVATION (FACE OF CURB)
- SPOT ELEVATION (TOP OF WALL)
- SPOT ELEVATION (FACE OF WALL AT GROUND ELEV)
- PROPOSED DRIVEWAY SLOPE
- EXISTING DRIVEWAY SLOPE

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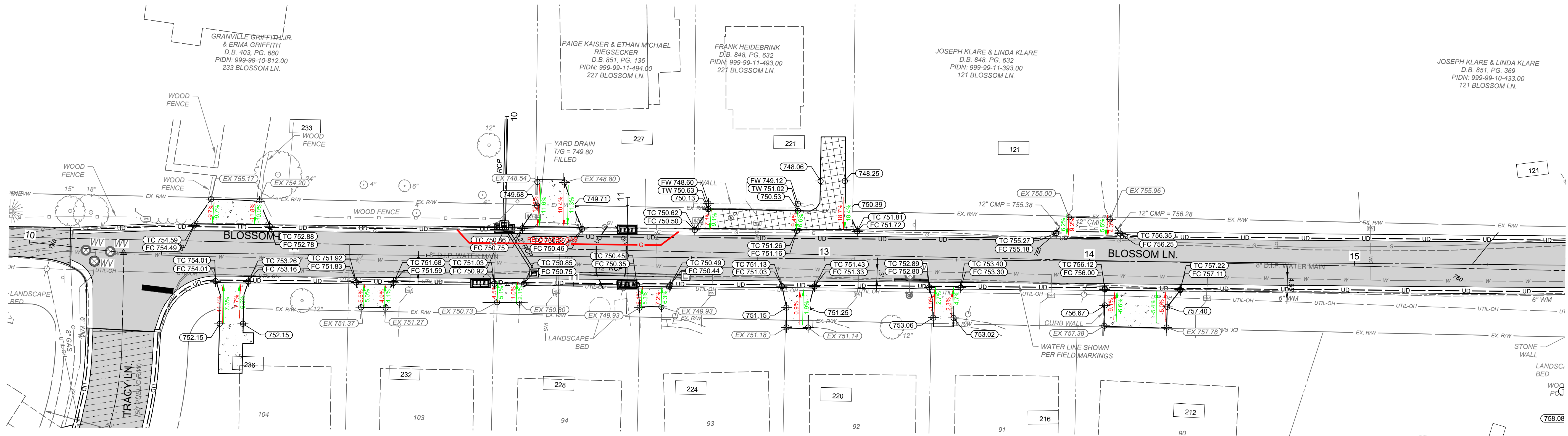
BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -
INTERSECTION DETAIL SHEET

PROJECT NO.	37135
DISCIPLINE	CIVIL
SHEET NAME	C12
SHEET	12
OF	13



20' 0' 20'
SCALE: 1" = 20'

NORTH AND BEARING SYSTEM
BASED ON NAD83 (2011) KENTUCKY
STATE PLANE, NORTH ZONE,
US FOOT.



JOSEPH KLARE & LINDA KLARE
D.B. 851, PG. 369
PIDN: 999-99-10-433.00
121 BLOSSOM LN.

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FORT MITCHELL, KENTUCKY 41017
TEL: (859) 522-0544
WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	1/14/2026			
SCALE:	AS NOTED			
DESIGNED BY:	DGAR			
DRAWN BY:	DGAR			
CHECKED BY:	JSHU			

DEMOLITION NOTES

- SPOT ELEVATION (TOP OF PAVEMENT)
- SPOT ELEVATION (TOP OF CURB)
- SPOT ELEVATION (FACE OF CURB)
- SPOT ELEVATION (TOP OF WALL)
- SPOT ELEVATION
FACE OF WALL AT GROUND ELEV)
- PROPOSED DRIVEWAY SLOPE
- EXISTING DRIVEWAY SLOPE

BLOSSOM LANE AND VALLEY VIEW
DRIVE STREET IMPROVEMENTS
- THE CITY OF SOUTHGATE CAMPBELL CO. KENTUCKY -
BLOSSOM LANE DRIVE GRADES

PROJECT NO.	37135
DISCIPLINE	CIVIL
SHEET NAME	C13
SHEET	13
OF	13