



CONSTRUCTION PLANS FOR:
FiveStar #4414
NEW BUILDING CONSTRUCTION
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

June 12, 2025

CERTIFICATE OF OWNERSHIP
I (WE) DO HEREBY CERTIFY THAT I AM (WE ARE) THE ONLY OWNER(S) OF THE
PROPERTY SHOWN HEREON, AND DO ADOPT THIS AS MY (OUR) FINAL
DEVELOPMENT PLAN FOR THE PROPERTY.

DATE _____

OWNER _____

OWNER _____



CIVIL ENGINEER:
KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHITT STREET
RUSSELLVILLE, KY 42276
270-717-1131



INDEX:

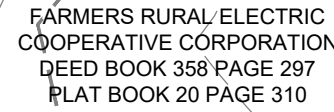
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C2.1	EROSION CONTROL PLAN
C2.2	PROPOSED GRADING PLAN
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C3.0-C3.3	DETAILS

LEGEND

---	BOUNDARY LINE THIS SURVEY
- - - -	APPROXIMATE ADJOINER OR R-Q-W LINES
- - - -	EXISTING SETBACK LINES OR EASEMENTS
- - - -	EXISTING ROADWAY AS LABELED
X X X	EXISTING FENCE
Wx Wx Wx	EXISTING WATERLINE
Fm Fm Fm	EXISTING SANITARY SEWER FORCE MAIN
Ex Ex Ex	EXISTING PRIMARY OVERHEAD ELECTRIC
ESx ESx ESx	EXISTING SECONDARY OVERHEAD ELECTRIC
SDx SDx SDx	EXISTING POWER POLE
SDx SDx SDx	EXISTING STORM SEWER
SDx SDx SDx	EXISTING DITCH CENTERLINE
SDx SDx SDx	EXISTING STORM INLET
770 770 770	EXISTING SPOT ELEVATION
770 770 770	EXISTING CONTOUR LINE
770 770 770	PROPOSED CONTOUR LINE
770 770 770	PROPOSED SPOT ELEVATION AT PAVEMENT ELEVATION
770 770 770	PROPOSED LIMITS OF DISTURBANCE
770 770 770	PROPOSED DITCH CENTERLINE
770 770 770	PROPOSED SANITARY SEWER FORCE MAIN
770 770 770	PROPOSED UNDERGROUND ELECTRIC
770 770 770	PROPOSED WATERLINE
770 770 770	PROPOSED STORM PIPE
770 770 770	PROPOSED STORM INLET
770 770 770	PROPOSED LIGHT POLE
770 770 770	PROPOSED LIGHT POLE WITH ELECTRICAL OUTLETS
770 770 770	PROPOSED CONCRETE PAVEMENT
770 770 770	PROPOSED STANDARD ASPHALT PAVEMENT
770 770 770	PROPOSED KYTC ASPHALT PAVEMENT
770 770 770	PROPOSED GRASS/LANDSCAPE AREAS
770 770 770	PROPOSED RIPRAP AREA



VICINITY MAP GLASGOW, KY



- 1) THE CLOSEST SANITARY SEWER MANHOLE IS APPROXIMATELY 1430' SOUTHWESTERLY FROM THE SOUTHEAST CORNER OF THE PROPERTY OFF THE WEST SIDE OF DONNELLEY DRIVE. THE SAID SSMH RIM ELEVATION IS 753.57' WITH A 12" PIPE INVERT OUT ELEVATION OF 739.57'.
- 2) NO GAS EXISTS ON SITE AND THE LOCATION OF THE NEAREST GAS MAIN IS UNKNOWN.

1. IN PERFORMING THIS SURVEY, NO GUARANTEE IS MADE AS TO THE EXISTENCE, SIZE, DEPTH, CONDITION, CAPACITY OR LOCATION OF ANY UTILITY EXISTING ON THE SITE, WHETHER PRIVATE, MUNICIPAL OR PUBLICLY OWNED.
2. NO EXTENSIVE INVESTIGATION HAS BEEN PERFORMED TO SEARCH FOR RECORDS OR DOCUMENTATION OF EASEMENTS, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT A PROFESSIONAL TITLE SEARCH MAY DISCLOSE.
3. ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED BY PHOTOCOPIING, RE-RECORDING OR BY ANY OTHER MEANS, OR STORED, PROCESSED OR TRANSMITTED IN OR BY ANY COMPUTER OR OTHER SYSTEMS WITHOUT PRIOR WRITTEN PERMISSION OF THE SURVEYOR. COPIES OF THIS PLAN WITHOUT AN ORIGINAL SIGNATURE AND SEAL ARE NOT VALID. THIS PLAT REPRESENTS A BOUNDARY & TOPOGRAPHIC SURVEY AND IS IN COMPLIANCE WITH 201 KAR 18-150.

I HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS PERFORMED UNDER MY DIRECTION BY MEANS OF RTK GPS MEASUREMENTS USING TRIMBLE R10 AND TRIMBLE R12L DUAL FREQUENCY GPS RECEIVERS. CRITICAL GPS MEASUREMENTS HAD A MINIMUM RELATIVE POSITIONAL ACCURACY OF $0.05 + 100$ PPM AS DETERMINED BY REDUNDANT FIELD MEASUREMENTS AND LEAST SQUARES ADJUSTMENT. THE SURVEY SHOWN HEREON IS AN "URBAN" SURVEY AND THE ACCURACY AND PRECISION OF SAID SURVEY MEETS OR EXCEEDS ALL THE SPECIFICATIONS OF THE CLASSIFICATION FOR THE COMMONWEALTH OF KENTUCKY.

CHRIS R. KENNER, PLS #4120	DATE
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THE BEARINGS SHOWN HEREON ARE REFERENCED TO GRID NORTH
OF THE NAD83 KENTUCKY SOUTH STATE PLANE COORDINATE
SYSTEM. DISTANCES SHOWN ARE GRID DISTANCES. ELEVATIONS
ARE BASED UPON NAVD88 GEOID 18US. ALL MEASUREMENTS
DERIVED FROM AN INITIAL GPS OBSERVATION USING A VRS
NETWORK OF KY CORS STATIONS.

BARRY HORTON
DEED BOOK 344 PAGE 979 (1/2 INTEREST)
PART OF DEED BOOK 228 PAGE 685 (1/2 INTEREST)
PLAT BOOK 17 PAGE 809 TRACT 1

FLOOD PLAIN INFO THE PROPERTY SHOWN HEREON IS <u>NOT</u> LOCATED WITHIN A FEMA SPECIAL FLOOD HAZARD AREA ACCORDING TO FIRM #21009C0165C WITH AN EFFECTIVE DATE OF 5/3/2011

●	5/8" X 18" REBAR & CAP (SET) PLS #4120
⊙	5/8" REBAR & UNIDENTIFIABLE CAP (FOUND)
☒	6" X 6" CONCRETE R/W MONUMENT (FOUND)
	BOUNDARY LINE
	APPROXIMATE ADJOINER OR R/W LINES
	BUILDING SETBACK LINES
	EXISTING ROADWAY AS LABELED
	EXISTING WATERLINE
	EXISTING CULVERT PIPE
	EXISTING PRIMARY OVERHEAD ELECTRIC
	EXISTING SECONDARY OVERHEAD ELECTRIC
	CENTERLINE EXISTING DITCH
	EXISTING CONTOUR
+ 780.00	EXISTING SPOT ELEVATION
	POWER POLE
	CONTROL POINT
	EXISTING ASPHALT

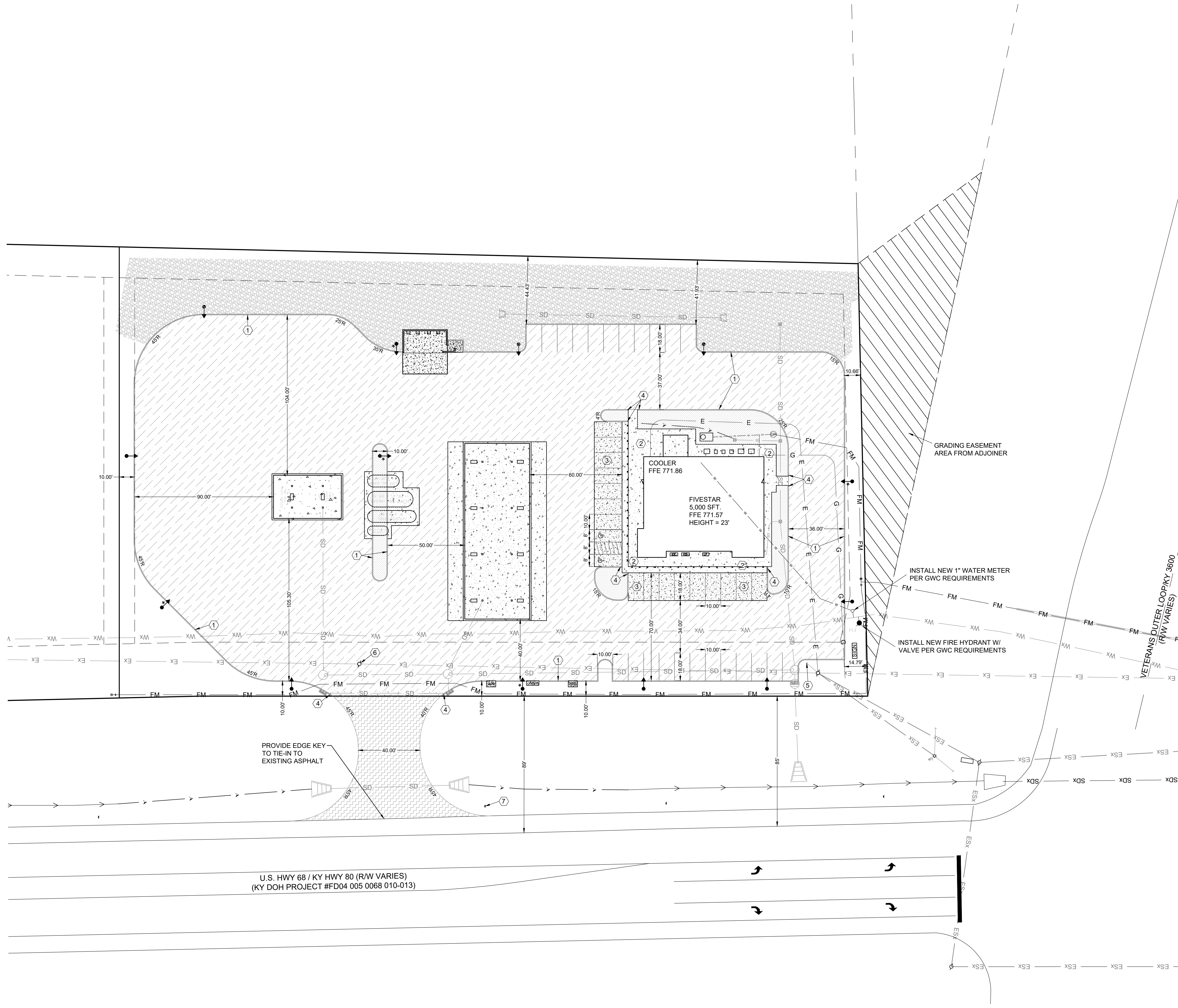
STATE of KENTUCKY
CHRIS R.
KENNER
4120
LICENSED
PROFESSIONAL
LAND SURVEYOR

KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHITT STREET
RUSSELLVILLE, KY 42276
270-717-1131

CLIENT ADDRESS: NEWCOMB OIL 951 WITTHROW COURT BARDSTOWN, KY 40004	SURVEYOR:	
	CRK	CRK
	DWN BY:	CKD BY:
	BSR	BSR
FINAL SURVEY DATE:		
4/2/25		
PROPERTY OWNER ADDRESS: BARRY HORTON 3566 NEW BOWLING GREEN RD GLASGOW, KY 42141	PLOT DATE:	PLOT FILE:
	5/21/25	2307 301E
	SIZE:	FILE NAME:
	24X36	2307301E

TOPOGRAPHIC SURVEY
FIVESTAR
NEW BOWLING GREEN RD
GLASGOW, KY

SHEET
IDENTIFICATION
C1.0



GENERAL NOTES:

1. THE EXISTING UTILITIES SHOWN WERE FIELD SURVEYED FROM MARKINGS PROVIDED BY UTILITY COMPANIES AND ARE APPROXIMATE LOCATIONS. OTHER UTILITIES MAY EXIST ON THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING 811 AND LOCATING ALL UTILITIES BEFORE ANY EXCAVATION BEGINS.
2. NO BUILDING PERMITS SHALL BE ISSUED UNTIL A FINAL DEVELOPMENT PLAN IS APPROVED BY THE PLANNING COMMISSION AND ALL CONDITIONS HAVE BEEN MET.
3. ALL CURB RADII ARE 5' TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
4. SAWCUT EXISTING ASPHALT TO CLEAN NEAT LINES AT ALL TIE-IN LOCATIONS.
5. ALL WATER LINE AND FORCE MAIN MATERIALS SHALL BE APPROVED BY THE GLASGOW WATER COMPANY (GWC).

SITE DATA

1. CURRENT ZONING FOR THE LOT: B-3.
2. TOTAL LOT AREA IS 3.166 ACRES OR 137,917 SFT.
3. PROPOSED LOT COVERAGE INCLUDING THE BUILDING IS 98,814 SFT. = 71.6%
4. TOTAL DISTURBED AREA INCLUDING UTILITIES IS 198,825 SFT.
5. FRONT YARD BUILDING SETBACK IS 35' ALONG 68-80.
6. FRONT YARD BUILDING SETBACK IS 25' ALONG DONNELLEY DRIVE.
7. REAR YARD BUILDING SETBACK IS 20'.

PARKING SPACE TABLE

BUILDING SIZE	SPACES REQUIRED	SPACES PROVIDED
5,000 SFT.	17	41 INCLUDING 2 ADA SPACES.

KEYNOTES

1. 12" CURB AND GUTTER (SEE DETAIL 11 SHEET C3.0). ALL CURB RADII SHALL BE 5' TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
2. CONCRETE SIDEWALK (SEE DETAIL 10 SHEET C3.0).
3. BLACK CONCRETE SLAB (SEE DETAIL 12 SHEET C3.0).
4. TAPER CURB HEIGHT TO 0" OVER 3' DISTANCE.
5. RAISE GUY ANCHOR TO GRADE.
6. RELOCATE POWER POLE.
7. RELOCATE SPEED LIMIT SIGN.

LEGEND

- BOUNDARY LINE THIS SURVEY
- APPROXIMATE ADJOINER OR R-O-W LINES
- EXISTING SETBACK LINES OR EASEMENTS
- EXISTING ROADWAY AS LABELED
- EXISTING FENCE
- EXISTING WATERLINE
- EXISTING SANITARY SEWER FORCE MAIN
- EXISTING PRIMARY OVERHEAD ELECTRIC
- EXISTING SECONDARY OVERHEAD ELECTRIC
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- EXISTING STORM SEWER
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- PROPOSED KYTC ASPHALT PAVEMENT
- PROPOSED GRASS/LANDSCAPE AREAS
- PROPOSED RIPRAP AREA



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2307301E
TEL NO:
2307301E

CLIENT ADDRESS:
NEWCOMB OIL
951 WITHROW COURT
BARDSTOWN, KY 40004

SITE PLAN
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C2.0

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF THE APPROPRIATE PERSONEL NEEDED TO CREATE AND MAINTAIN A BEST MANAGEMENT PRACTICES PLAN IN ACCORDANCE WITH KPDES STORMWATER GENERAL PERMIT KYR10 AND "KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE."
2. EROSION CONTROL MEASURES NOTED AND SHOWN ARE THE MINIMUMS DEEMED NECESSARY TO PROTECT THE PUBLIC AND OFF-SITE PROPERTIES, AND DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR COMPLIANCE WITH ANY AND ALL U.S. EPA AND KENTUCKY DIVISION OF WATER REQUIREMENTS. ANY ADDITIONAL ITEMS REQUIRED BY THESE AND/OR LOCAL GOVERNING AUTHORITIES SHALL BE PROVIDED AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL PRACTICES, PERMIT DOCUMENTS, AND INSPECTION RECORDS REQUIRED TO COMPLY WITH THE NOI AND THE CONDITIONS OF THE GENERAL KPDES PERMIT, AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. ANY REQUIRED ALTERATIONS OR REVISIONS TO THE EROSION CONTROL PLANS BASED UPON RESULTS OF PERIODIC INSPECTIONS, CONTRACTOR ACTIONS, AND/OR OWNER/AGENCY DIRECTIONS SHALL BE IMPLEMENTED WITHIN 7 DAYS OF DISCOVERY, AND WRITTEN DOCUMENTATION OF SUCH ALTERATIONS/REVISIONS SHALL BE KEPT ON FILE BY THE CONTRACTOR.
5. ALL AREAS DISTURBED BY GRADING THAT ARE NOT STABILIZED WITH OTHER METHODS FOR A PERIOD OF 14 DAYS SHALL HAVE TEMPORARY VEGETATIVE COVER PROVIDED.
6. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
7. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON THE ESTABLISHMENT OF PERMANENT GROUND COVER.
8. PROVIDE TEMPORARY SEEDING AS NEEDED IN ACCORDANCE WITH "KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE."
9. ALL PAINT, SOLVENT, PETROLEUM PRODUCTS (FUEL, LUBE OILS, GREASE AND CUTTING OILS) AND PETROLEUM WASTE PRODUCTS SHALL BE STORED IN CONTAINERS (SUCH AS DRUMS, CANS, OR CARTONS) SO THAT THESE MATERIALS ARE NOT EXPOSED TO STORM WATER. SUFFICIENT PRACTICES OF SPILL PREVENTION CONTROL, AND/OR MANAGEMENT SHALL BE PROVIDED TO PREVENT ANY SPILLS OF THESE POLLUTANTS FROM ENTERING A WATER OF THE STATE. ANY CONTAINMENT SYSTEM USED TO IMPLEMENT THIS REQUIREMENTS SHALL BE CONSTRUCTED OF MATERIALS COMPATIBLE WITH THE SUBSTANCES CONTAINED AND ALSO PREVENT CONTAMINATION OF GROUNDWATER.
10. DO NOT STORE CHEMICALS, DRUMS, AND BAGGED MATERIAL DIRECTLY ON THE GROUND. USE SECONDARY CONTAINMENT OR USE WOODEN PALLETS. PROVIDE SPILL CONTAINMENT DIKES AROUND CHEMICAL AND FUEL STORAGE TANKS. LINE WITH PLASTIC FILM TO PREVENT SOIL CONTAMINATION. STORE HAZARDOUS WASTES IN AN APPROPRIATE TYPE OF CONTAINER AND PROPERLY LABELED PER EPA, OSHA AND DOT REQUIREMENTS.
11. ONSITE TRASH SHOULD BE COLLECTED AND DISPOSED OF ON A REGULAR BASIS. SANITARY SYSTEMS SHOULD BE REGULARLY SERVICED. REPAIR TRASH CONTAINERS AND DUMPSTERS ON AN AS NEEDED BASIS. WHERE POSSIBLE PROVIDE COVER FOR WASTE CONTAINERS TO PREVENT THE ENTRY OF RAINWATER AND LOSS OF CONTENTS BY WIND. MAINTAIN A CONTINGENCY PLAN IN THE CASE THAT HAZARDOUS OR TOXIC MATERIALS ARE DISCOVERED.
12. MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION. VEHICLES AND EQUIPMENT SHOULD BE INSPECTED ON EACH DAY OF USE. LEAKS SHOULD BE REPAIRED IMMEDIATELY OR THE PROBLEM VEHICLE(S) OR EQUIPMENT SHOULD BE REMOVED FROM THE PROJECT SITE.

SEQUENCE OF SWPPP CONSTRUCTION: DISTURBED AREA = 198,825 SFT = 4.56 Acres

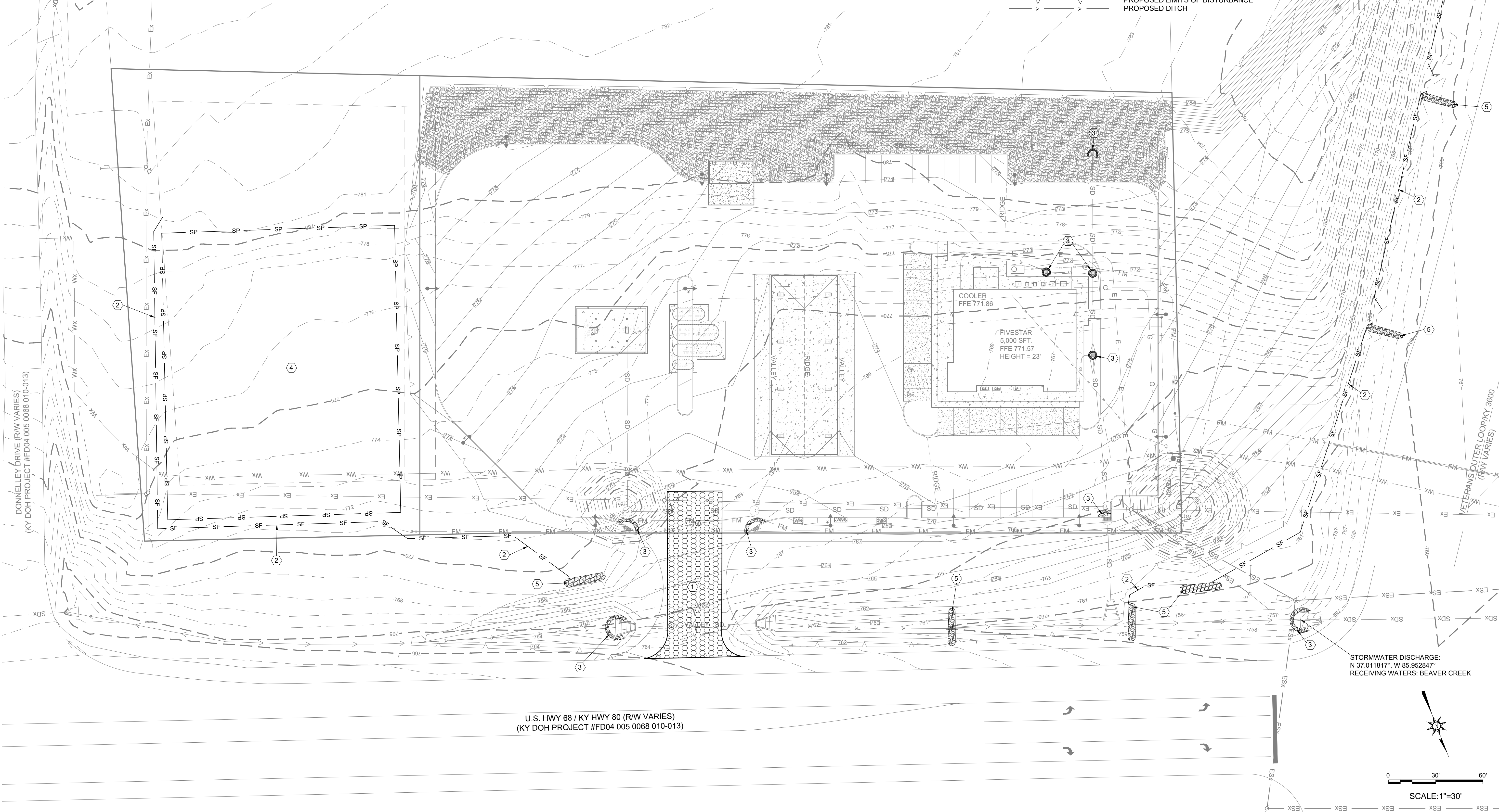
1. BEFORE ANY LAND DISTURBANCE OCCURS, A NOTICE-OF-INTENT (NOI) SHALL BE FILED WITH THE STATE OF KENTUCKY DIVISION OF WATER.
2. BEFORE ANY LAND DISTURBANCE OCCURS, SILT FENCING SHALL BE INSTALLED AS SHOWN, THE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED, AND THE STONE CHECK DAMS SHALL BE CONSTRUCTED.
3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED AS SHOWN ON THIS DRAWING AND PROTECTED WITH TEMPORARY SEEDING AND MULCHING. MOST OF THE TOPSOIL SHALL BE REMOVED FROM THE SITE EXCEPT AS NEEDED FOR FINAL GRADING.
4. PERFORM SITE GRADING AND INSTALL STORM STRUCTURES. AS SOON AS THE STORM INLETS ARE CONSTRUCTED, INSTALL INLET PROTECTION AS SHOWN.
5. THE STORM PIPES AND HEADWALL LOCATED IN THE KYTC RIGHT-OF-WAY SHALL BE INSTALLED DURING A TIME THAT NO RAIN EVENT IS EXPECTED. ALSO, THE DISTURBED AREAS SHALL BE SEEDED AND STRAWED OR SODDED WITHIN 7 DAYS OF INITIAL DISTURBANCE.
6. ONCE ALL TEMPORARY EROSION CONTROL ITEMS ARE REMOVED AND PERMANENT GROUND COVER IS ESTABLISHED, A NOTICE-OF-TERMINATION SHALL BE SUBMITTED TO THE KENTUCKY DIVISION OF WATER.

KEY NOTES:

1. TEMP. CONSTRUCTION ENTRANCE. SEE DETAIL 1 SHEET C3.1.
2. TEMP. SILT FENCE. SEE DETAIL 2 SHEET C3.1.
3. TEMP. INLET PROTECTION. SEE DETAIL 3 SHEET C3.1.
4. TEMP. SOIL STOCKPILE AREA.
5. TEMP. STONE CHECK DAM. SEE DETAIL 4 SHEET C3.1.

LEGEND

- | | |
|--|--------------------------------|
| | EXISTING BOUNDARY LINE |
| | EXISTING ADJOINER LINES |
| | EXISTING DITCH |
| | EXISTING CONTOUR LINE |
| | PROPOSED CONTOUR LINE |
| | PROPOSED SILT FENCE |
| | PROPOSED SOIL STOCKPILE AREA |
| | PROPOSED LIMITS OF DISTURBANCE |
| | PROPOSED DITCH |



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C2.1

STORM STRUCTURE TABLE

FROM	TO							
CODE	INV. EL.	RIM EL.	CODE	INV. EL.	RIM EL.	PIPE LENGTH	SLOPE	DIAMETER
HW 1	767.00	N/A	HW 2	766.90	N/A	140 FT	0.07%	18-IN
CB 3*	768.60	772.60	CB 4	765.15	771.00	74 FT	1.96%	15-IN
CB 5	768.00	771.00	CB 6	765.15	771.00	28 FT	10.18%	15-IN
CB 4	765.15	771.00	CB 6	764.65	770.80	50 FT	1.00%	15-IN
CB 6	764.65	770.80	MH 7	763.50	768.10	94 FT	1.22%	15-IN
MH 7	762.00	768.10	MH 8*	762.00	767.96	4 FT	0.00%	36-IN
MH 8*	762.00	767.96	HW 9	758.00	N/A	48 FT	8.33%	30-IN
MH 10	762.22	769.22	MH 7	762.00	768.10	220 FT	0.10%	36-IN
CB 11	762.30	767.63	MH 10	762.22	768.22	8 FT	1.00%	15-IN
MH 12	762.30	768.95	MH 10	762.22	768.22	75 FT	0.10%	36-IN
CB 13	766.62	768.50	CB 11	765.75	767.63	78 FT	1.11%	15-IN
HW 14	761.00	N/A	HW 15	760.00	N/A	78 FT	1.28%	30-IN
RD1*	769.00	N/A	CB 6	764.90	770.80	28 FT	14.64%	8-IN
RD2*	768.00	N/A	MH 10	766.00	768.22	50 FT	4.00%	8-IN
RD3*	771.00	N/A	MH 12	765.00	768.95	105 FT	5.71%	4-IN

CB 4, CB 5 & CB 6 SHALL BE 24" X 24" CONCRETE BOXES WITH JOHN BOUCHARD AND SONS 4075 GRATE OR EQUIVALENT.
 CB 11 & CB 13 SHALL BE A 24" X 48" CONCRETE BOX WITH JOHN BOUCHARD AND SONS 4078 GRATE OR EQUIVALENT.
 MH 7, MH 10, & MH 12 SHALL BE 6' DIAMETER CONCRETE MANHOLES WITH JOHN BOUCHARD AND SONS 1111 FRAME AND COVER OR EQUIVALENT.
 HW 1 & HW 2 SHALL BE KYTC EQUIVALENT HEADWALLS.
 HW 9, HW 14 & HW 15 SHALL BE 30-IN KYTC SAFETY HEADWALLS PER KYTC STANDARD DRAWING RBD-105-06.
 *NOTE: BY OTHERS - SHOWN FOR REFERENCE ONLY.
 *NOTE: CB 3 IS AN OUTLET CONTROL STRUCTURE. SEE DETAIL 6 SHEET 3.1.
 *NOTE: MH 8 IS AN OUTLET CONTROL STRUCTURE. SEE DETAIL 7 SHEET 3.1.
 *NOTE: RD 3 SHALL BE 15" DIAMETER ADS DURASLOT SLOTTED DRAIN PIPE WITH 7.5" TALL GRATING. SEE DETAIL 7 SHEET C3.0.

STORM WATER RUNOFF
CALCULATION SUMMARY (REAR BASIN POST-DEVELOPMENT)

METHOD OF STORM WATER CALCULATIONS:
 SCS Method: 24 Hr Design Storms: 1, 2, 5, 10, 25, 50 and 100 Year

ROUTED THRU BASIN

Bottom El. = 766.60, Top El. 774.00
 Storage Volume = 31,759 cft

PEAK DISCHARGE & ELEVATION

Year	Q(cfs)	Peak El.
1	2.68	769.48
2	3.13	770.40
5	3.58	771.47
10	3.87	772.24
25	8.69	772.91
50	14.24	773.20
100	14.82	773.70

OUTLET STRUCTURE:

15" Culvert @ I.E. 766.60
 8"Ø Office @ I.E. 766.60
 24" x 24" Top Office @ I.E. 772.60
 Emergency Spillway @ Elev. 773.90

GENERAL NOTES:

- THE EXISTING UTILITIES SHOWN WERE FIELD SURVEYED FROM MARKINGS PROVIDED BY UTILITY COMPANIES AND ARE APPROXIMATE LOCATIONS. OTHER UTILITIES MAY EXIST ON THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING 811 AND LOCATING ALL UTILITIES BEFORE ANY EXCAVATION BEGINS.
- MORE THAN 1 ACRE OF LAND SHOULD BE DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL SUBMIT AN NOI WITH THE STATE OF KENTUCKY PRIOR TO BEGINNING ANY GRADING WORK.
- NO GRADING, STRIPPING, EXCAVATION, FILLING, OR OTHER DISTURBANCE OF THE NATURAL GROUND COVER SHALL TAKE PLACE UNLESS AND UNTIL THE CITY OF GLASGOW HAS APPROVED THE DEVELOPER'S SOIL EROSION CONTROL PROCEDURES AND EROSION CONTROL PLAN.
- NO BUILDING PERMITS SHALL BE ISSUED UNTIL A FINAL DEVELOPMENT PLAN IS APPROVED BY THE PLANNING COMMISSION AND ALL CONDITIONS HAVE BEEN MET.
- ALL DISTURBED AREAS THAT ARE NOT PAVED, LANDSCAPED, OR OTHERWISE PROVIDED WITH PERMANENT GROUND COVER SHALL BE SEED OR SODDED AS SOON AS PRACTICAL TO PREVENT SOIL EROSION.

EXISTING AREA (PRE-DEVELOPMENT)

Total Drainage Area = 456,940 sft = 10.490 Acres
 CN = 76, Tc = 17.9 min.

PEAK DISCHARGE

Year	Q(cfs)
1	11.60
2	16.64
5	24.07
10	30.66
25	40.71
50	49.28
100	58.67

PROPOSED AREA (POST-DEVELOPMENT)

Total Drainage Area = 456,940 sft = 10.490 Acres
 CN = 77, Tc = 15.7 min.

PEAK DISCHARGE (TOTAL RUNOFF)

Year	Q(cfs)
1	11.57
2	14.61
5	18.88
10	22.59
25	28.17
50	32.74
100	37.74

STORM WATER RUNOFF
CALCULATION SUMMARY
(UNDERGROUND PIPES POST-DEVELOPMENT)

METHOD OF STORM WATER CALCULATIONS:
 SCS Method: 24 Hr Design Storms: 1, 2, 5, 10, 25, 50 and 100 Year

ROUTED THRU BASIN

Bottom El. = 762.00, Top El. 768.95
 Storage Volume = 2,972 cft

PEAK DISCHARGE & ELEVATION

Year	Q(cfs)	Peak El.
1	11.10	763.86
2	13.61	764.09
5	16.95	764.36
10	19.76	764.56
25	23.85	764.76
50	27.07	764.90
100	30.53	765.04

OUTLET STRUCTURE:

30" Culvert @ I.E. 762.00
 *VEE" Office @ I.E. 762.00
 RECTANGLE Office @ I.E. 764.50

0 30' 60'
 SCALE: 1"=30'

LEGEND

—	BOUNDARY LINE THIS SURVEY
- - -	APPROXIMATE ADJOINER OR R-O-W LINES
- - -	EXISTING SETBACK LINES OR EASEMENTS
- - -	EXISTING ROADWAY AS LABELED
- - -	EXISTING FENCE
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- - -	EXISTING SANITARY SEWER FORCE MAIN
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- - -	PROPOSED STORM INLET
•	PROPOSED LIGHT POLE
•	PROPOSED LIGHT POLE WITH ELECTRICAL OUTLETS
- - -	PROPOSED CONCRETE PAVEMENT
- - -	PROPOSED STANDARD ASPHALT PAVEMENT
- - -	PROPOSED KYTC ASPHALT PAVEMENT
- - -	PROPOSED GRASS/LANDSCAPE AREAS
- - -	PROPOSED RIPRAP AREA



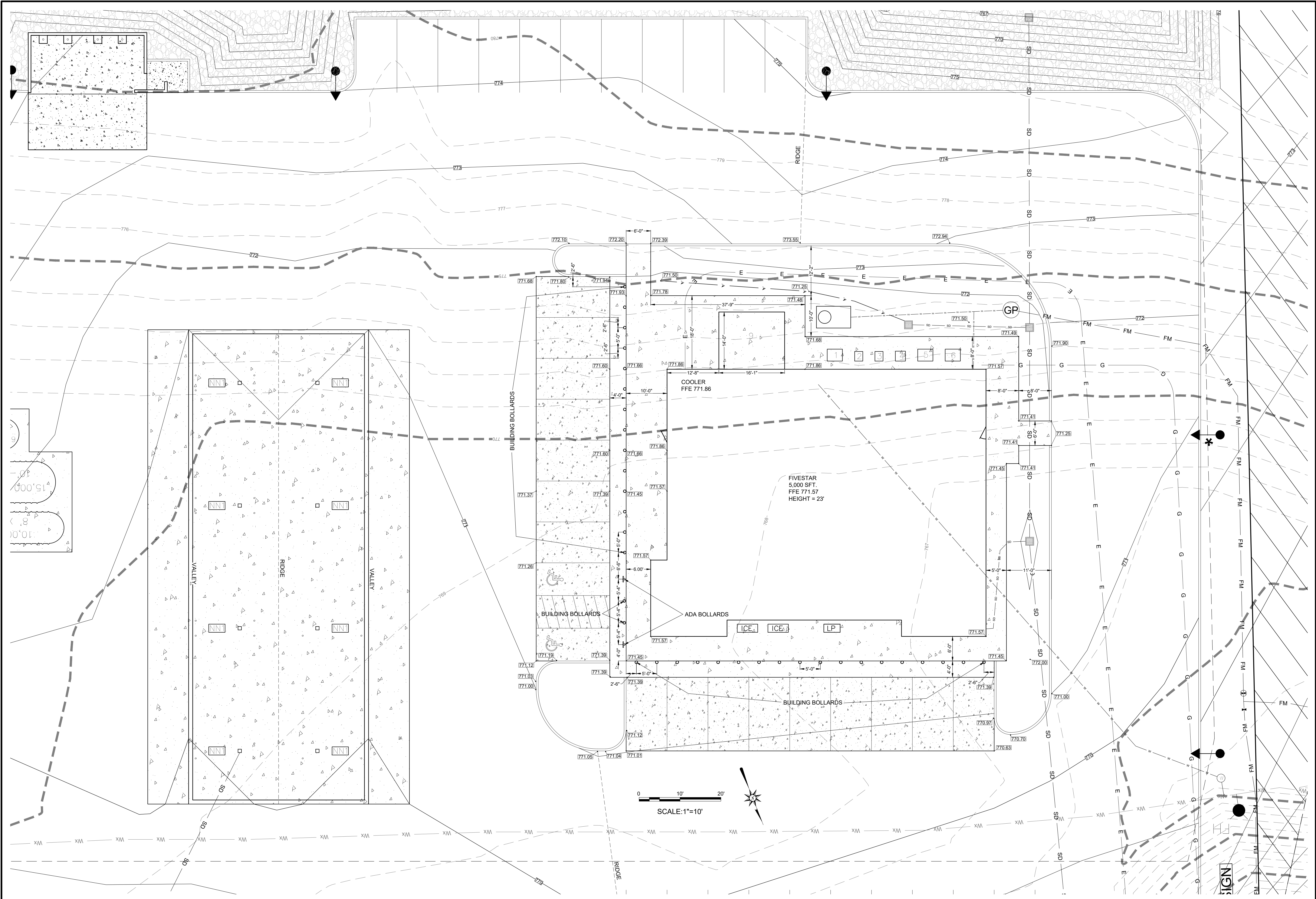
KENNER RANDOLPH
ENGINEERING & SURVEYING
 150 SOUTH BREATHITT STREET
 RUSSELLVILLE, KY 42276
 270-717-1131

ENGINEER:
 BSR
 DWN BY:
 CRK
 FINAL SURVEY DATE:
 5-7-2025
 PLOT DATE:
 8-12-2025
 FILE NAME:
 24X36

CLIENT ADDRESS:
 NEWCOMB OIL
 951 WITHROW COURT
 BARDSTOWN, KY 40004

GRADING PLAN
FIVESTAR
 2455 NEW BOWLING GREEN ROAD
 GLASGOW, KY 42141

SHEET
 IDENTIFICATION
C2.2

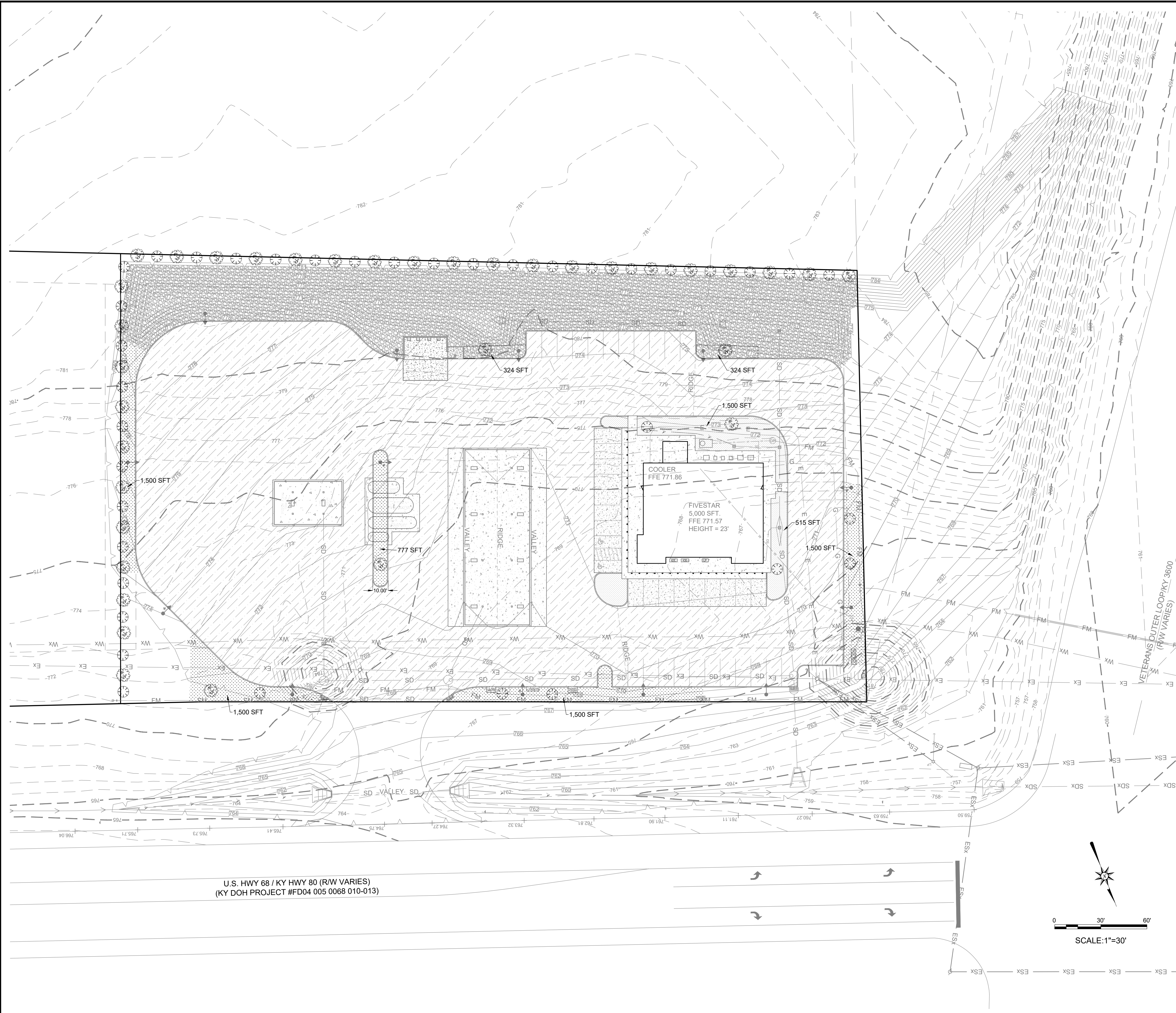
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**KENNER RANDOLPH
ENGINEERING & SURVEYING**
150 SOUTH BREATHTT STREET
RUSSELLVILLE, KY 42276
270-717-1131

CLIENT ADDRESS:	ENGINEER:
NEWCOMB OIL	BSR
951 WITHROW COURT	DWIM BY: CRQ BY:
BARDSTOWN, KY 40004	BSR
	FINAL SURVEY DATE:
	5-7-2025
	PLOT DATE: CRD FILE:
	6-12-2025 2307301E
	SIZE: FILE NAME:
	24X36 2307301E

ENLARGED GRADING PLAN
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C2.3



U.S. HWY 68 / KY HWY 80 (R/W VARIES)
(KY DOH PROJECT #FD04 005 0068 010-013)

SITE DATA

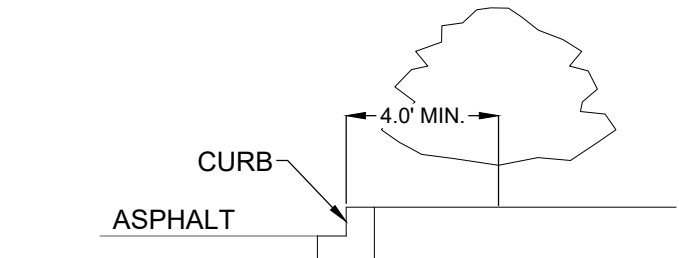
1. CURRENT ZONING FOR THE LOT: B-3
2. TOTAL LOT AREA IS 3.166 ACRES OR 137,917 SFT.
3. VEHICLE USE AREA = 88,975 SFT.
4. LANDSCAPE AREA REQ. (10%) = 8,898 SFT.
5. MIN. LANDSCAPE AREAS REQ. = 6
6. TREES REQ. = $8,898 \div 250 \times 2 = 72$
7. LANDSCAPE AREA PROVIDED = 9,440 SFT.
8. LANDSCAPE AREAS PROVIDED = 9
9. TREES PROVIDED = 72

PLANT SCHEDULE

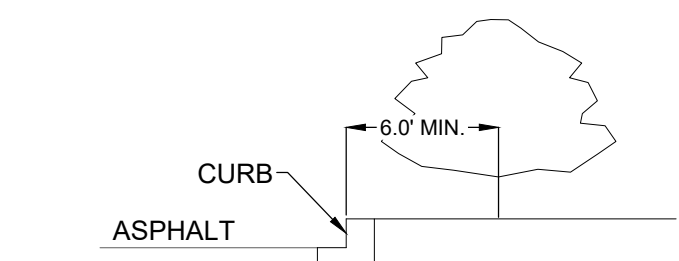
- DWARF RED OAK (QUERCUS RUBRA)
- REDBUD (CERCIS CANADENSIS)
- GRASS, LANDSCAPE ROCK OR SOLITE

LANDSCAPING NOTES:

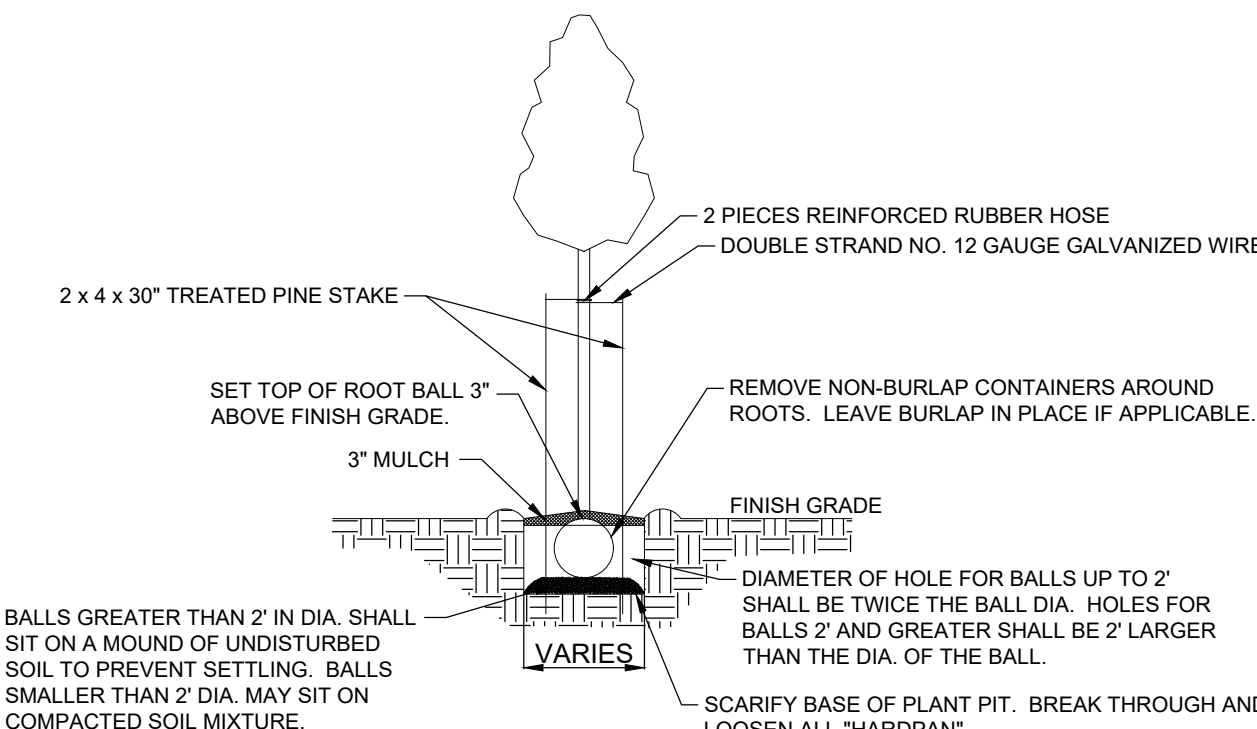
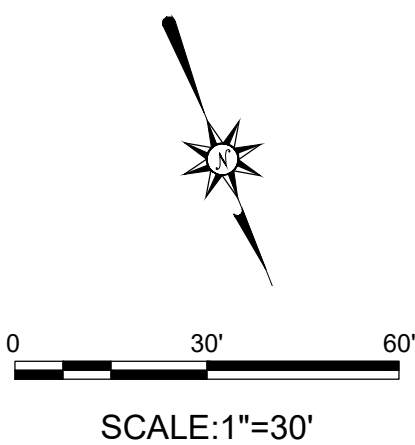
1. ALL DECIDUOUS TREES SHALL HAVE A MINIMUM TRUNK DIAMETER OF 1.75" IN CALIPER LOCATED 6" ABOVE THE GROUND AND SHALL BE A MINIMUM OVERALL HEIGHT OF 10' AT PLANTING.
2. ALL TREES PLANTED IN ISLANDS SHALL BE LOCATED A MINIMUM OF 4' FROM THE EDGE OF PAVEMENT TO THE CENTER OF THE TREE.
3. ALL TREES PLANTED AROUND THE PERIMETER OF THE PARKING AREA SHALL BE LOCATED A MINIMUM OF 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF THE TREE.
4. ALL PLANT MATERIALS AND PLANTING METHODS SHALL MEET THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND THE GLASGOW ZONING ORDINANCES.
5. ALL DISTURBED AREAS NOT COVERED BY BUILDINGS OR PAVEMENT SHALL BE SEEDED OR SODDED WITH GRASS OF THE FESCUE OR BLUEGRASS FAMILY.



TREE PLANTING ALONG ISLAND CURB AREAS
N.T.S.



TREE PLANTING ALONG PERIMETER CURB AREAS
N.T.S.



TREE PLANTING DETAIL
N.T.S.



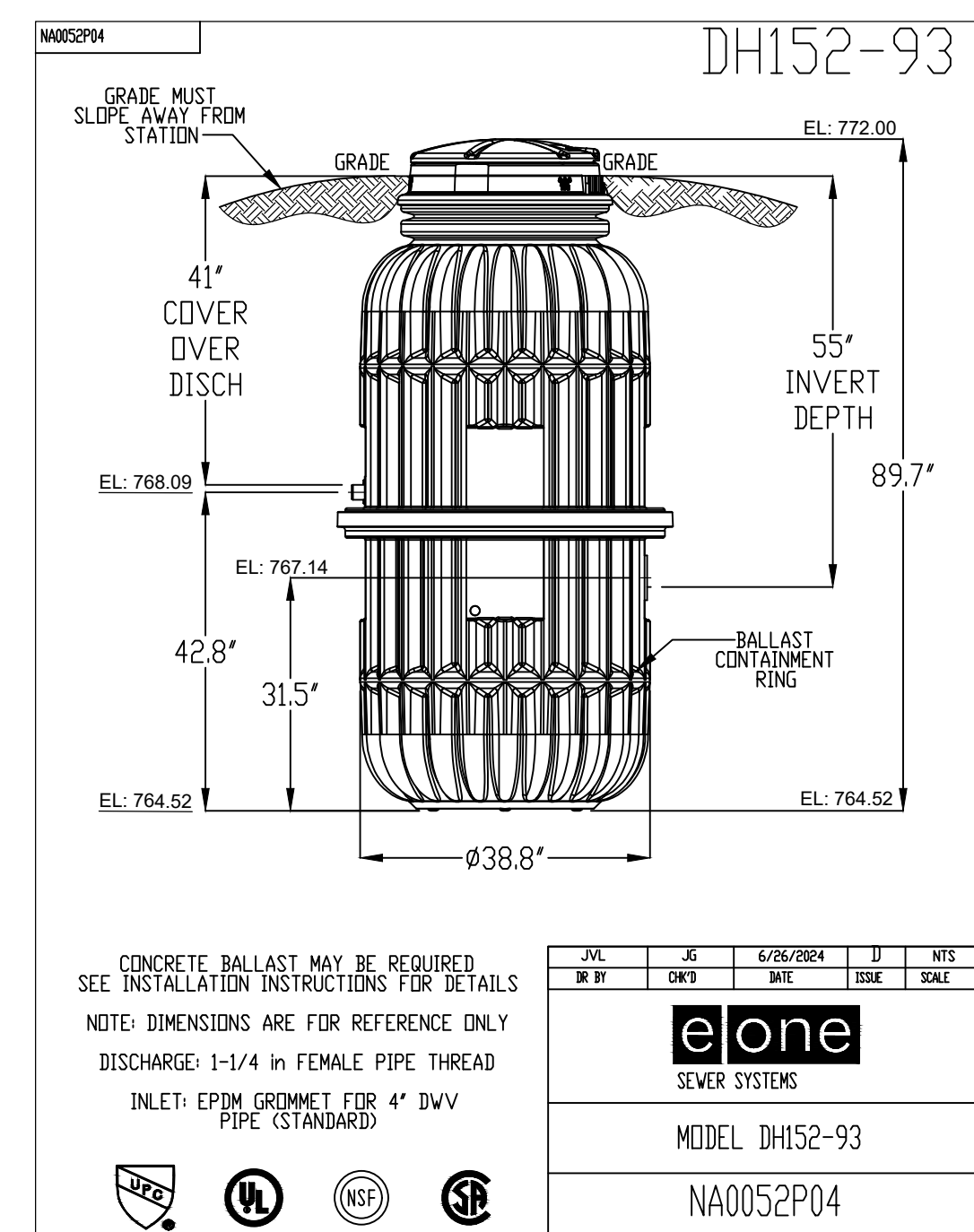
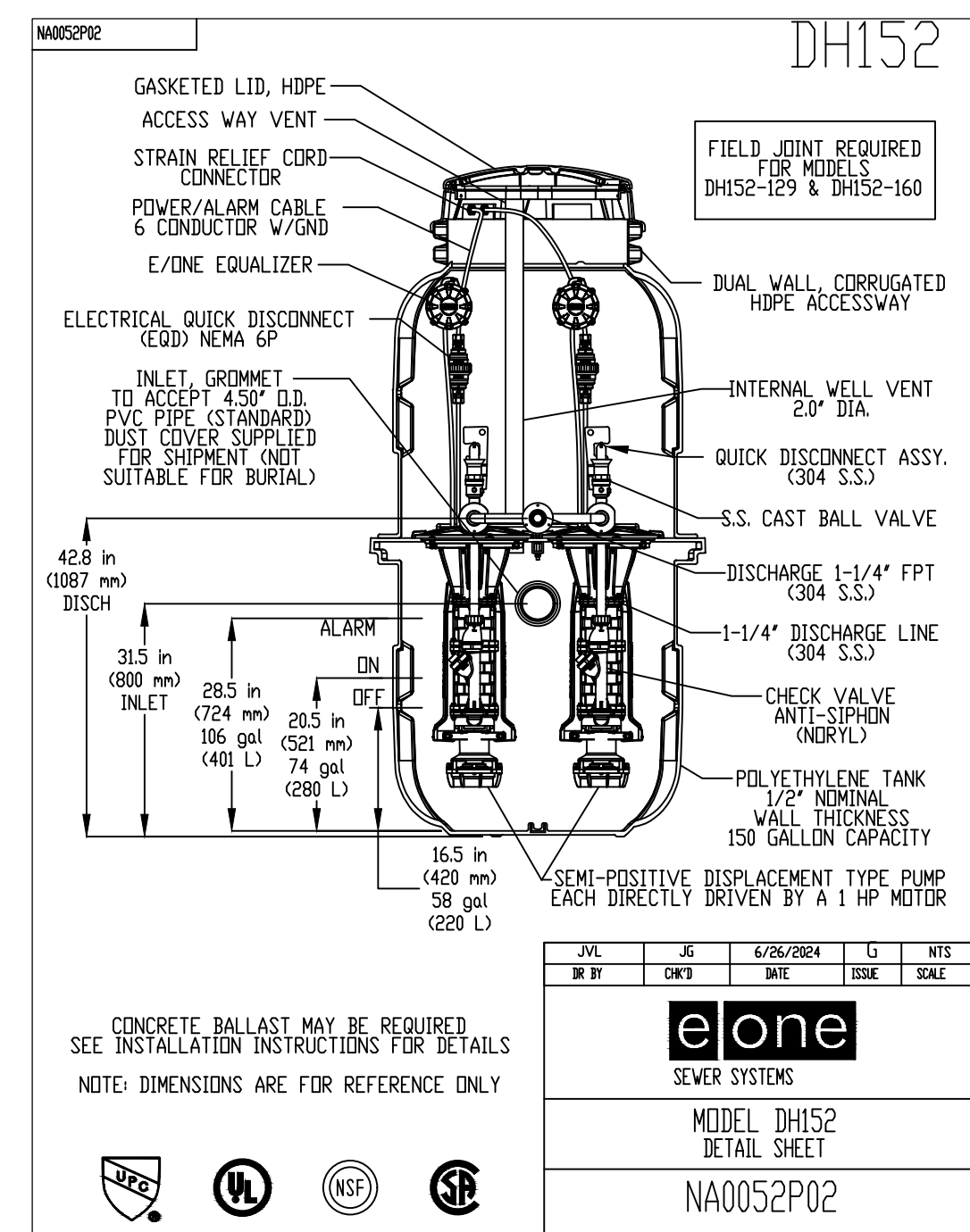
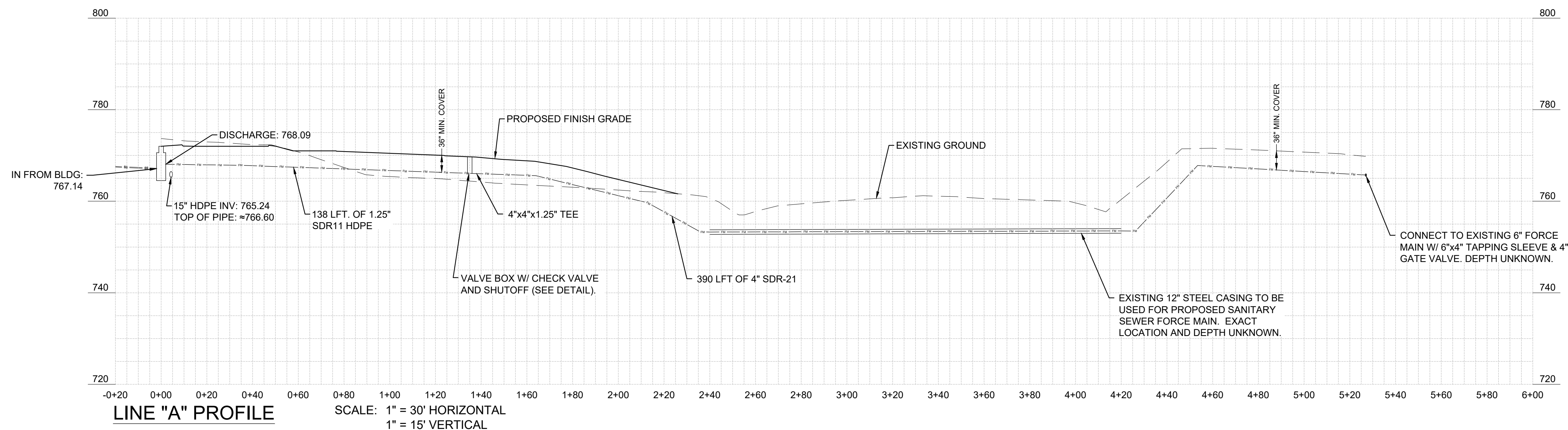
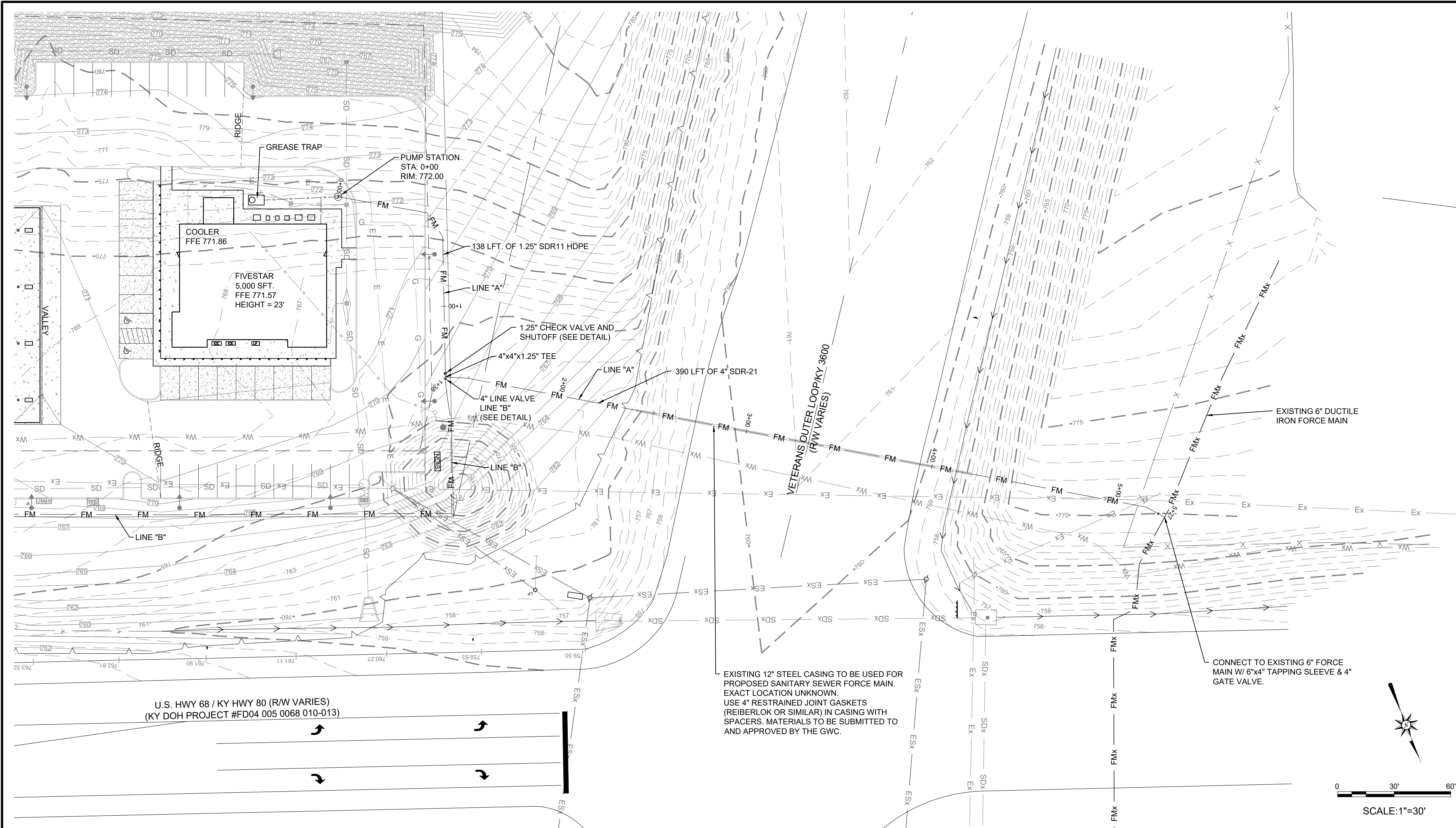
KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHT STREET
RUSSELLVILLE, KY 42276
270-717-1131

ENGINEER:
BSR
DWN BY: BSR
CKD BY: CRK
FINAL SURVEY DATE: 5-7-2025
PLOT DATE: 9-12-2025
CRD FILE: 240307E
FILE NAME: 240306

CLIENT ADDRESS:
NEWCOMB OIL
951 WITHROW COURT
BARDSTOWN, KY 40004

LANDSCAPE PLAN
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C2.4



KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHT STREET
RUSSELLVILLE, KY 42276
270-717-1131

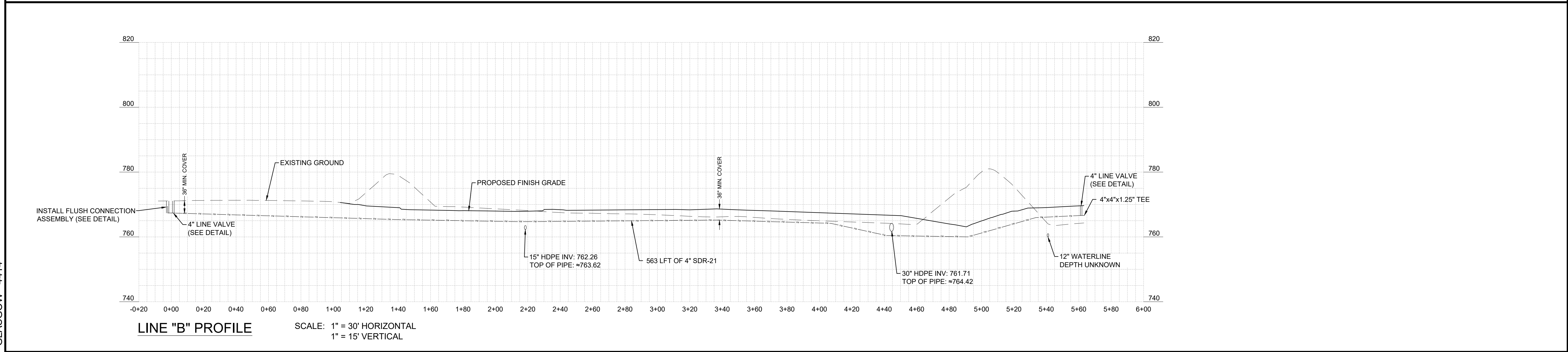
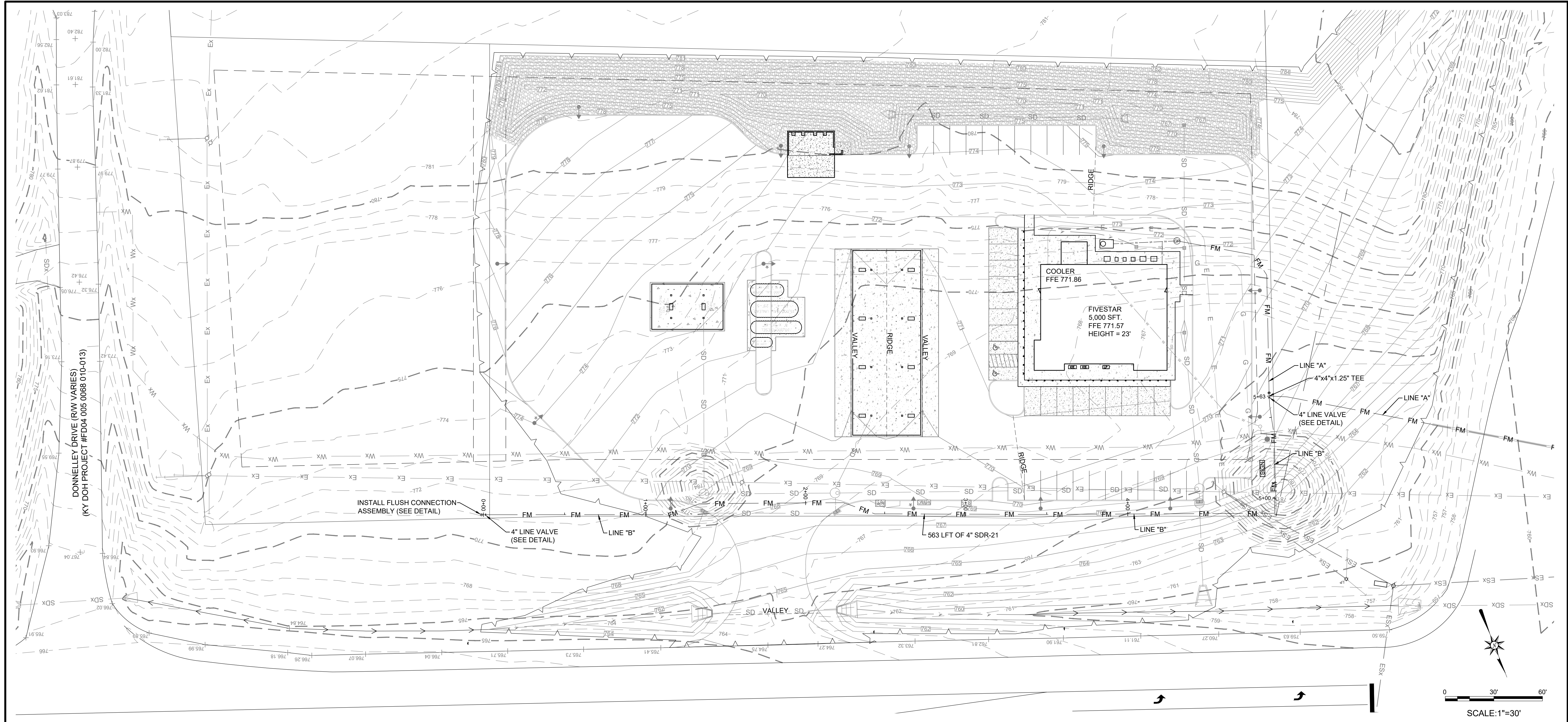
ENGINEER:
BSR
DWN BY:
BSR
CLIENT ADDRESS:
NEWCOMB OIL
951 WITHROW COURT
BARDSTOWN, KY 40004

CKD BY:
CRK
FINAL SURVEY DATE:
5-7-2025
PLOT DATE:
9-12-2025
PLOT SCALE:
24X36
FILE NAME:
23070416

FORCE MAIN LINE "A"
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C2.5

GLASGOW - 4414



REVISION	DATE	DESCRIPTION

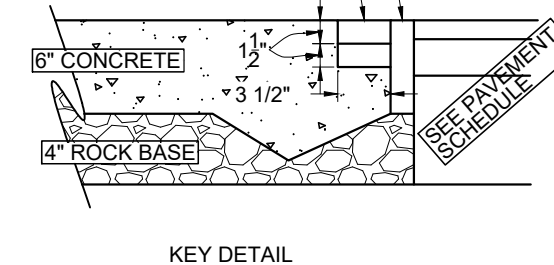
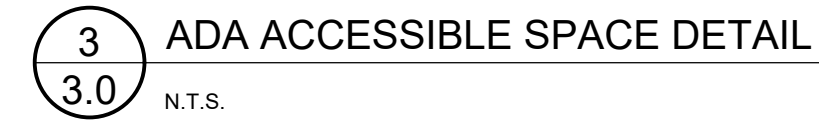
KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHITT STREET
RUSSELLVILLE, KY 42276
270-717-1131

ENGINEER: BSR	CKD BY: CRK	FINAL SURVEY DATE: 5-7-2025	CRD FILE: 2455307E
CLIENT ADDRESS: NEWCOMB OIL 951 WITTHROW COURT BARDSTOWN, KY 40004			FILE MARK: 24536

FORCE MAIN LINE "B"
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C2.6

GLASGOW - 4414

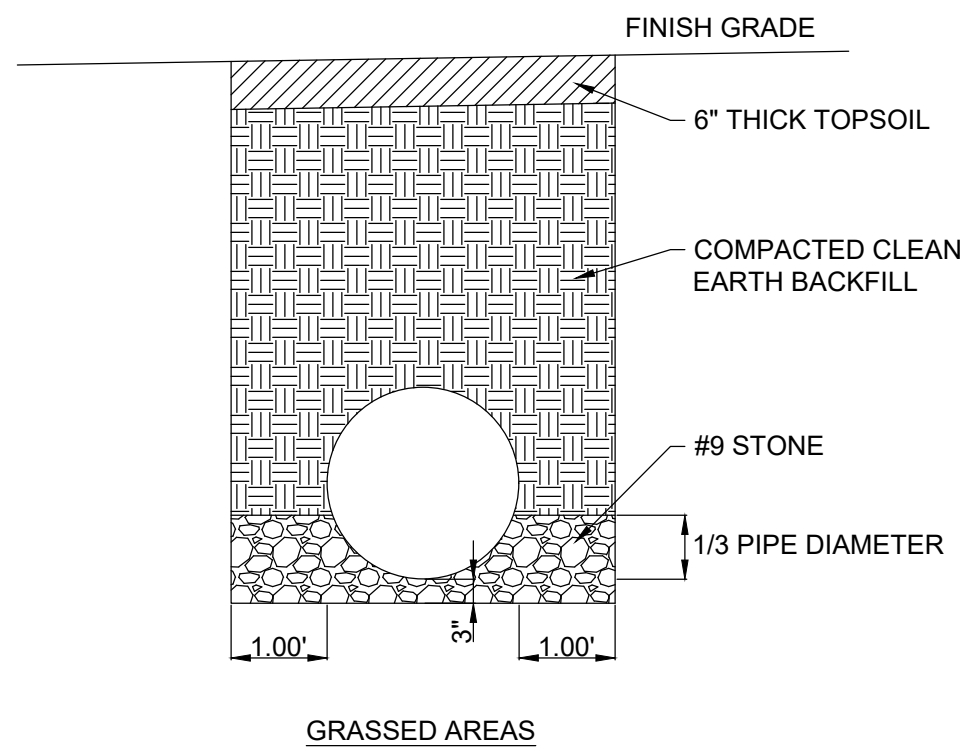
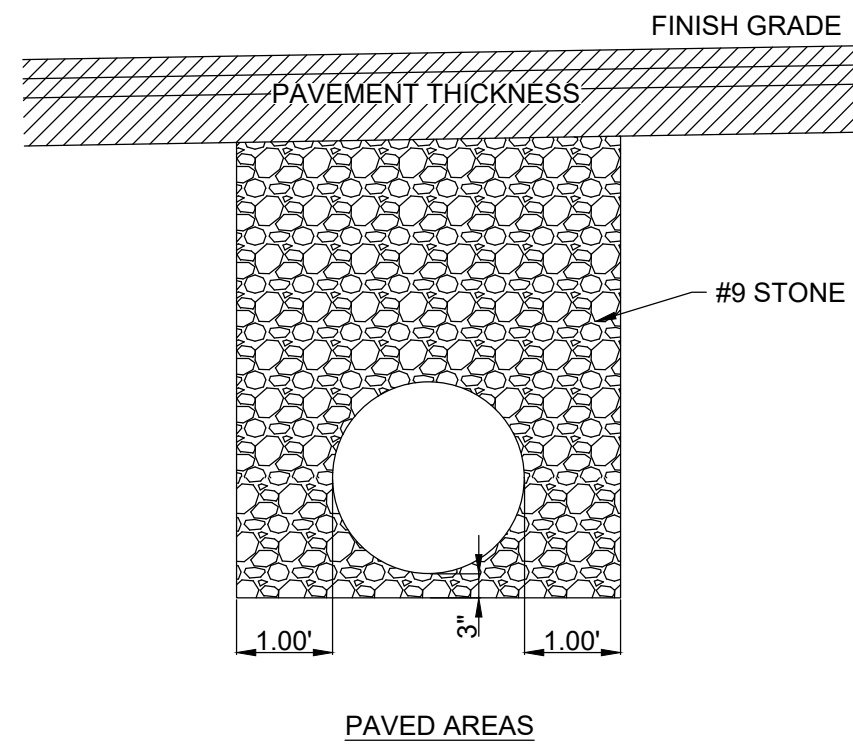
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KENNER RANDOLPH
ENGINEERING & SURVEYING
150 SOUTH BREATHTT STREET
RUSSELLVILLE, KY 42276
270-717-1131

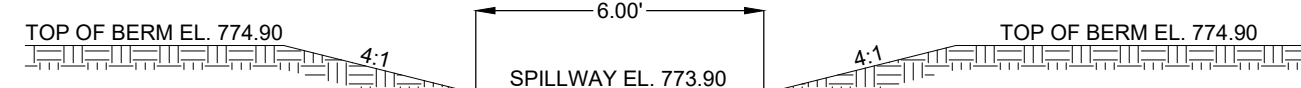
CLIENT ADDRESS: NEWCOMB OIL 951 WITHROW COURT BARDSTOWN, KY 40004	ENGINEER:	
	BSR	
	DWN BY: BSR	CKD BY: CRK
	FINAL SURVEY DATE: 5-7-2025	
	PLOT DATE: 6-12-2025	CRD FILE: 2307201E
	SIZE:	FILE NAME:

DETAILS
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

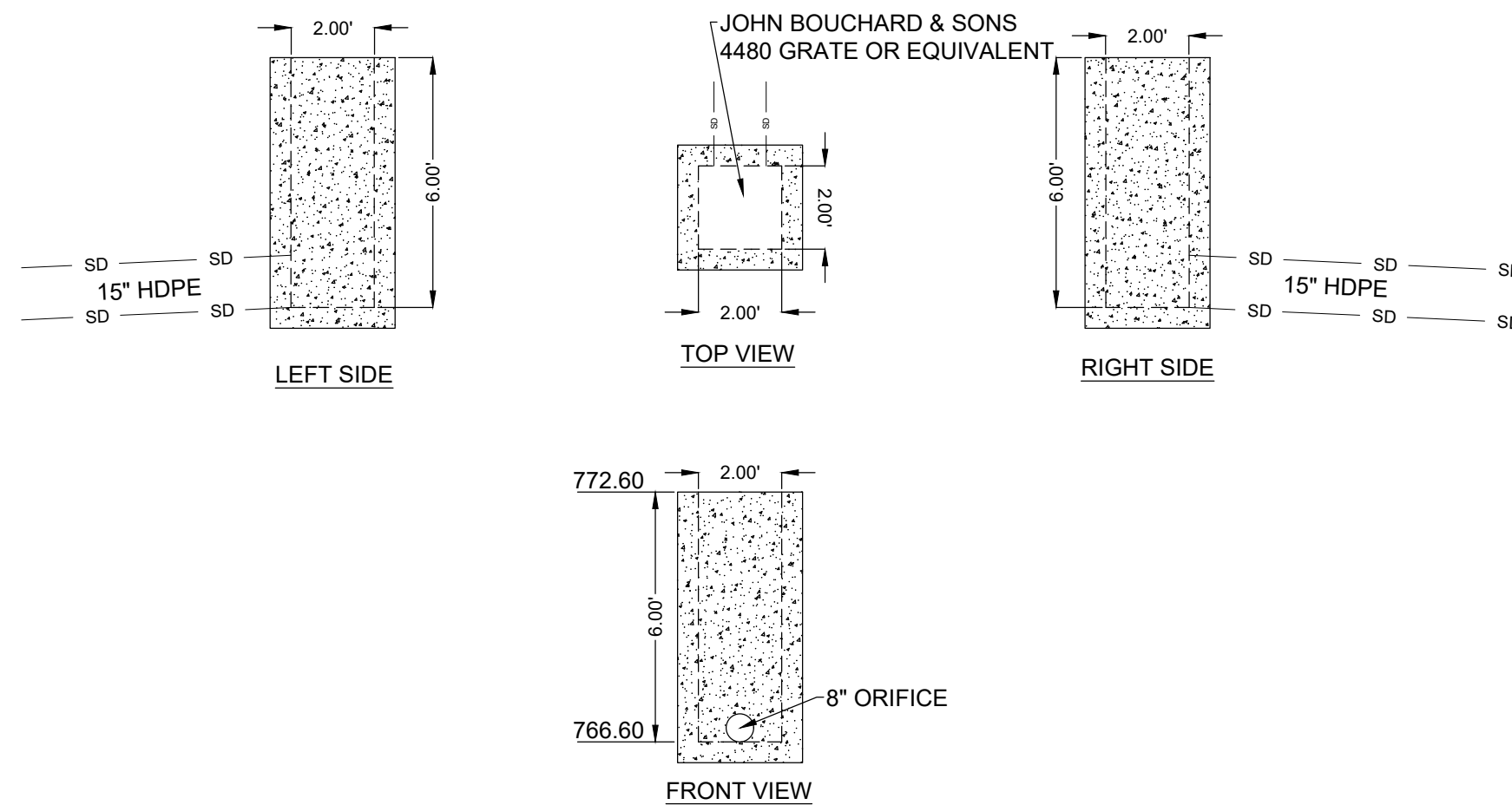
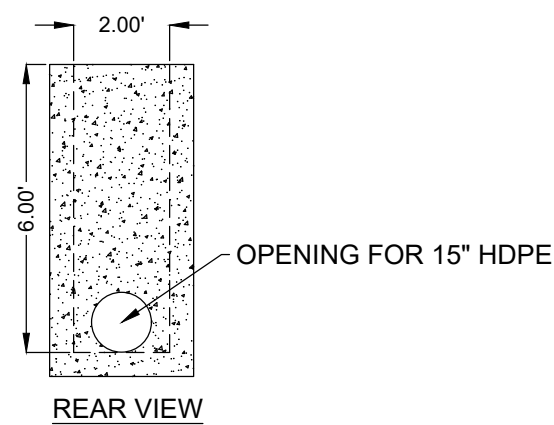
SHEET
IDENTIFICATION
C3.0



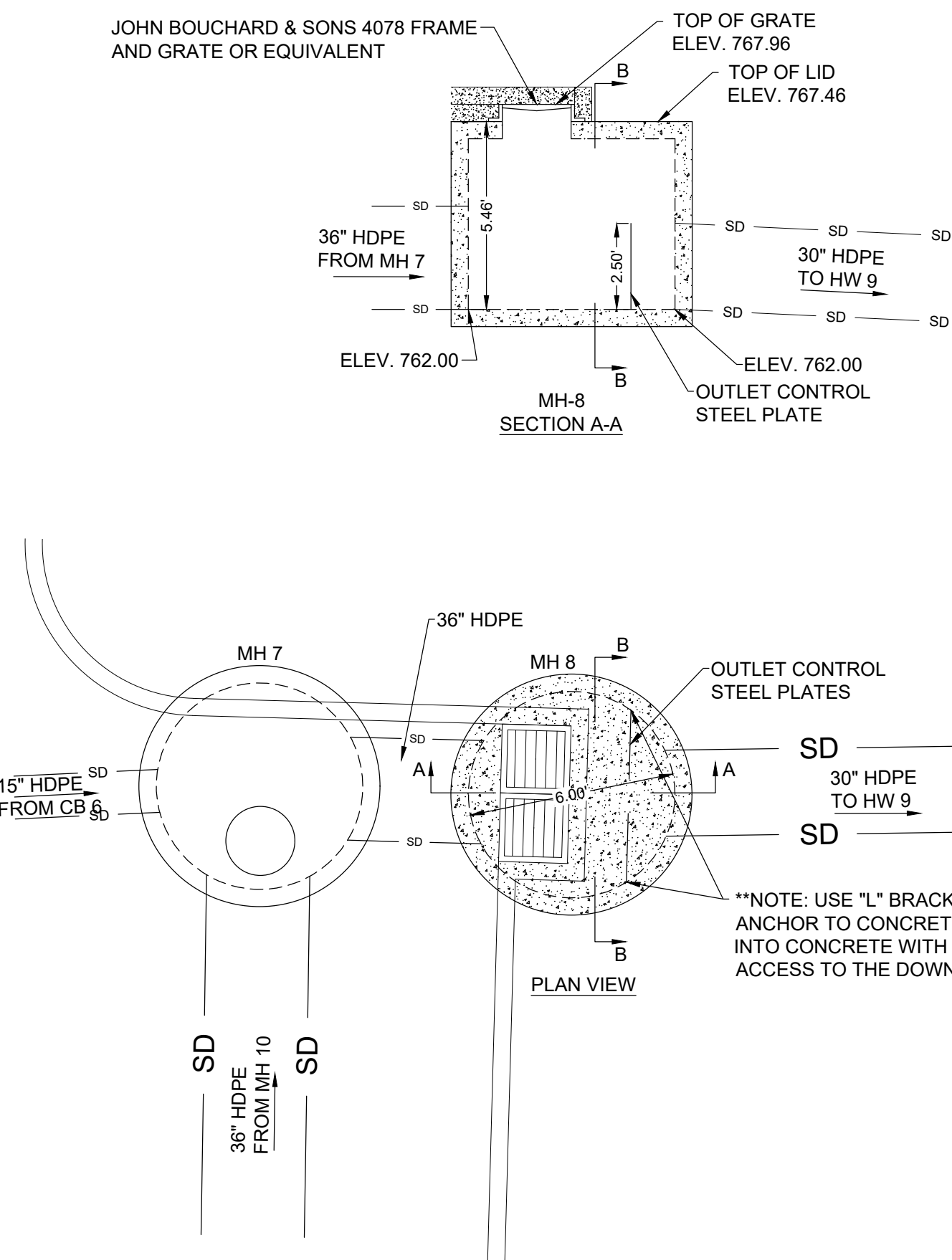
5 PIPE BEDDING DETAIL
SCALE: NTS



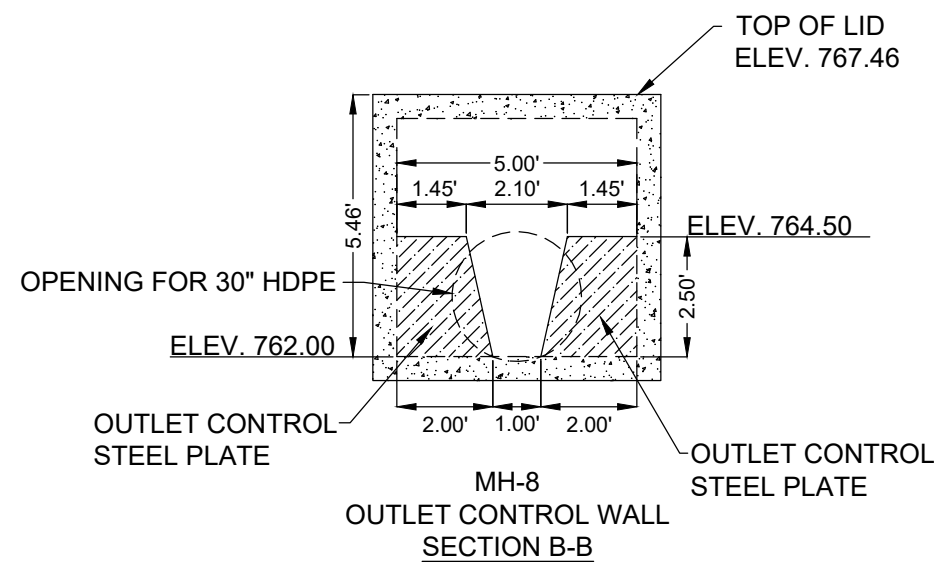
EMERGENCY SPILLWAY DETAIL
SCALE: 1" = 4'-0"



6 CB 3 (OUTLET CONTROL STRUCTURE)
SCALE: 1" = 4'-0"

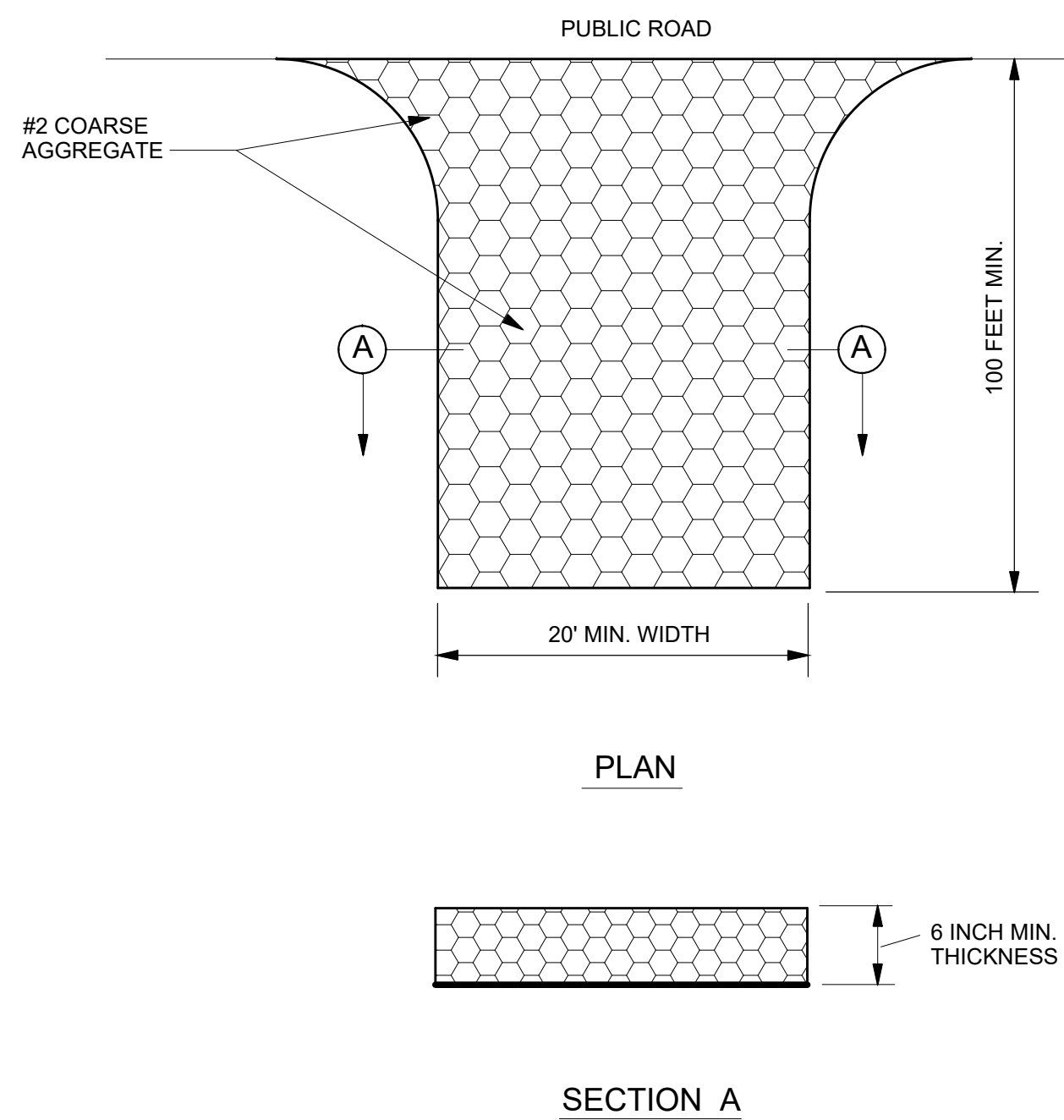


7 MH 8 (OUTLET CONTROL STRUCTURE)
SCALE: 1" = 4'-0"

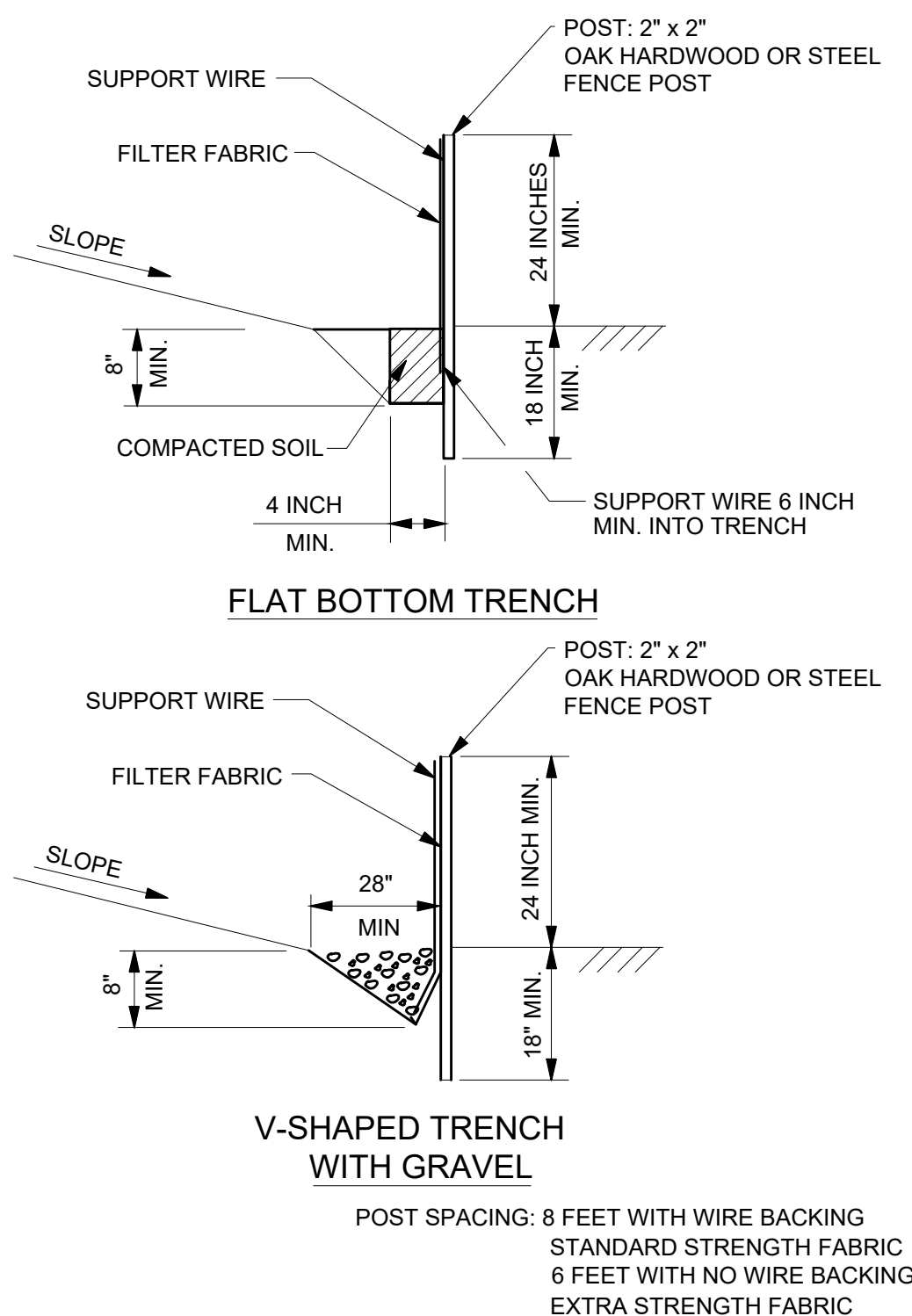


**NOTE: OUTLET CONTROL STEEL PLATES SHALL BE 1/4" THICK STEEL PLATES. PLATES SHALL BE POSITIONED AND ROTATED SO THAT ALL INLET PIPES AND/OR GRATE INLETS ARE ON THE UPSTREAM SIDE OF THE RISER PLATES. OTHER MATERIAL ALTERNATES WILL BE CONSIDERED WITH OWNER APPROVAL.

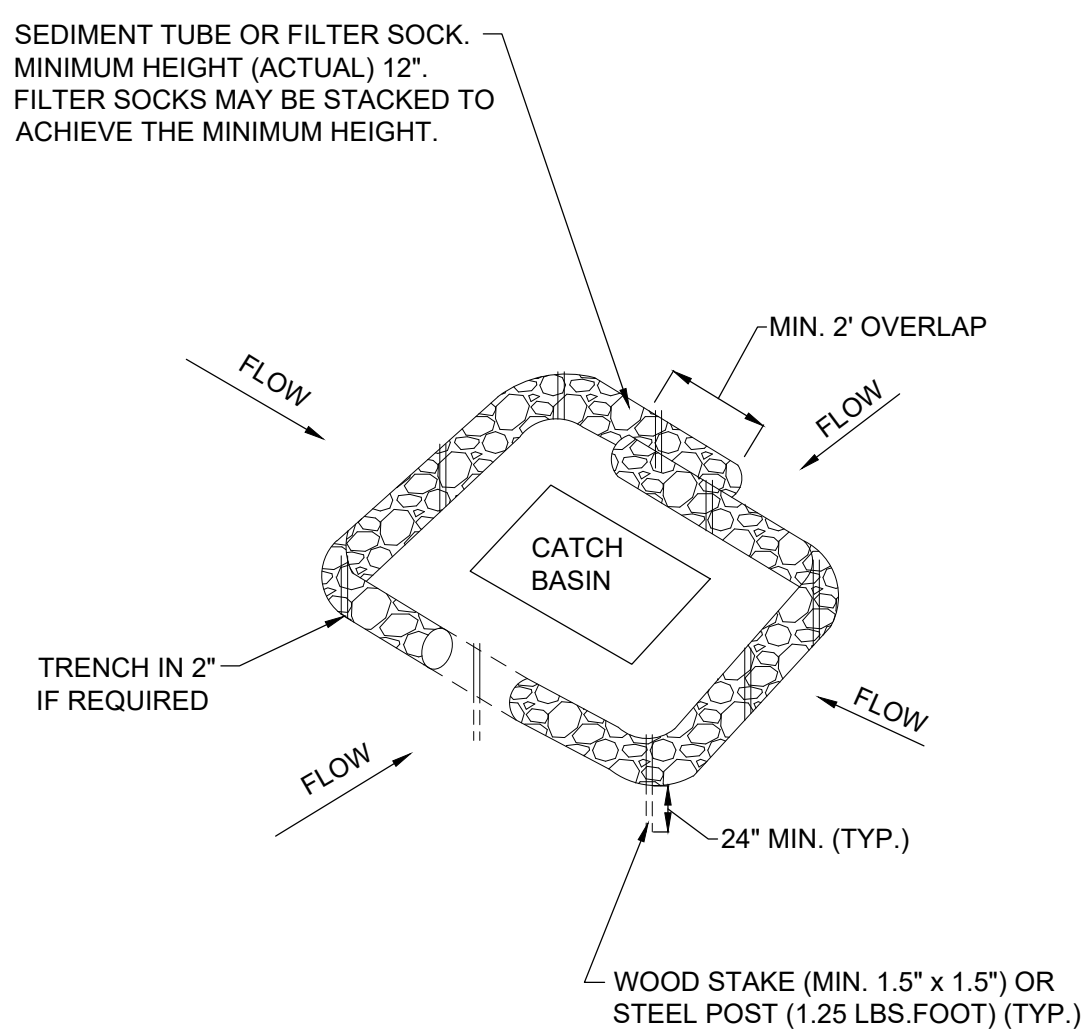
**NOTE: USE "L" BRACKETS ON THE UPSTREAM SIDE AND ANCHOR TO CONCRETE. ANCHORS SHALL BE FASTENED INTO CONCRETE WITH NUTS TO ALLOW REMOVAL AND ACCESS TO THE DOWNSTREAM SIDE.



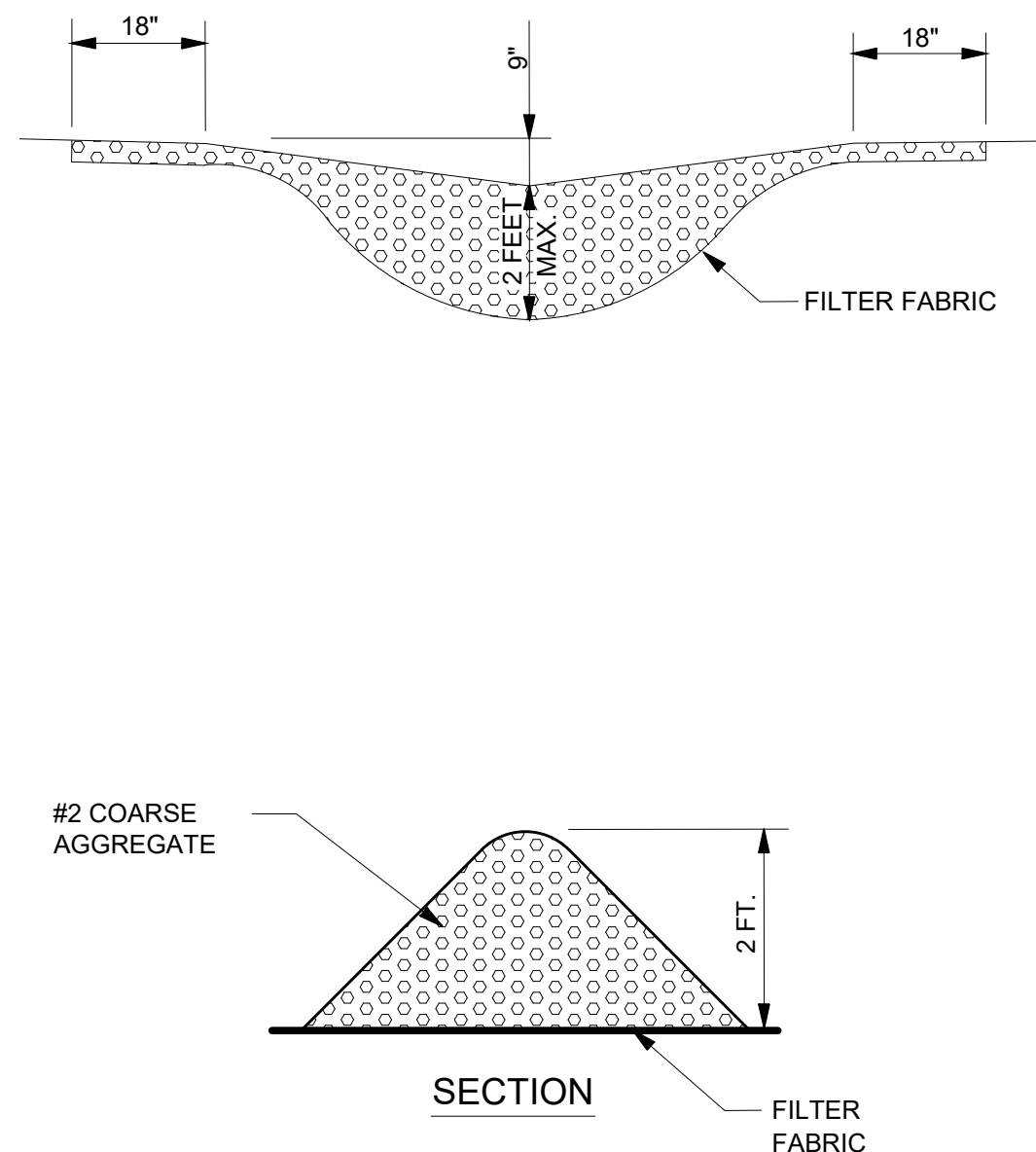
1 TEMPORARY GRAVEL
CONSTRUCTION ENTRANCE/EXIT PAD
NTS



2 SILT FENCE
NTS



3 INLET PROTECTION
NTS



4 STONE CHECK DAM
NTS

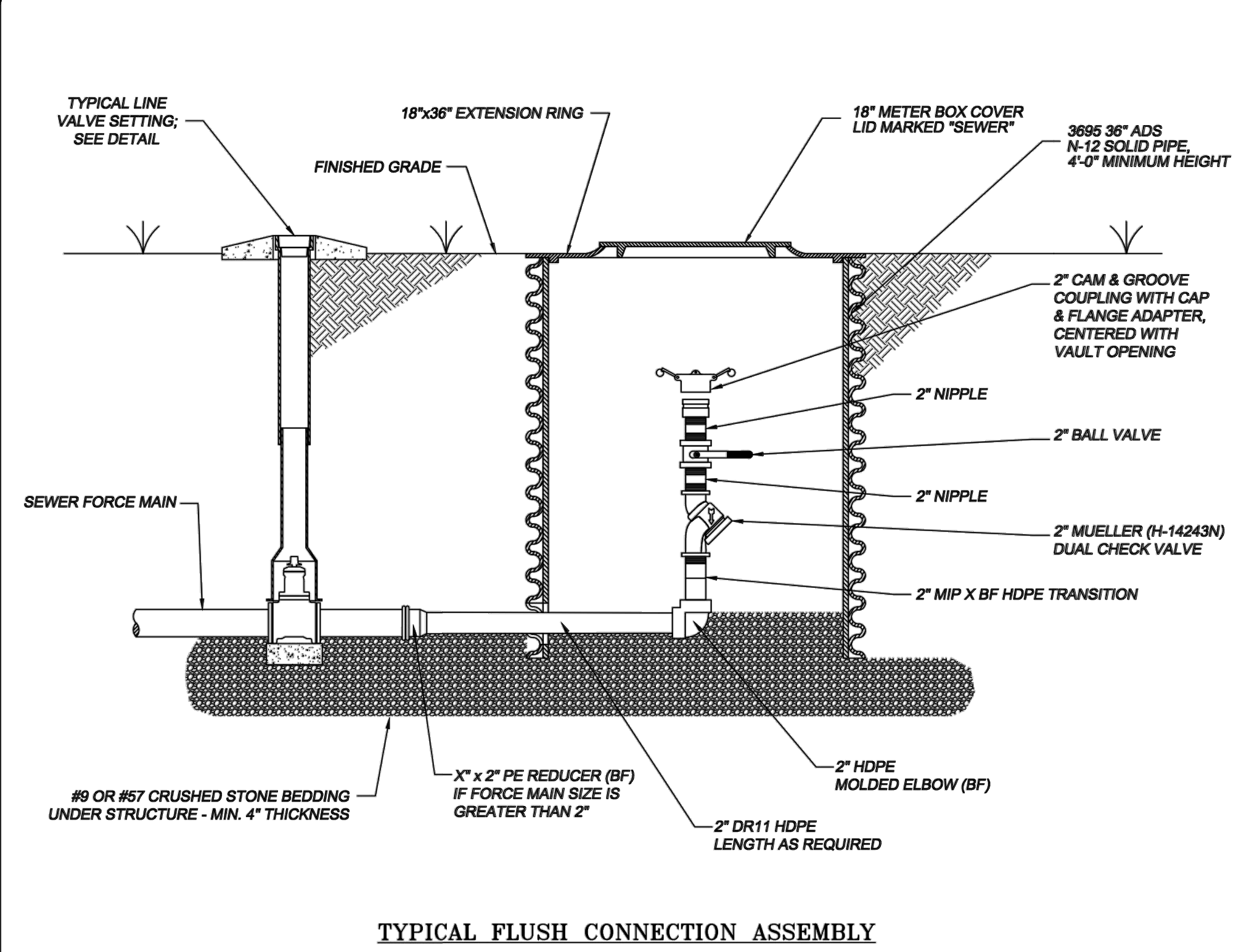


KENNER RANDOLPH
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150 SOUTH BREATHT STREET
RUSSELLVILLE, KY 42276
270-717-1131

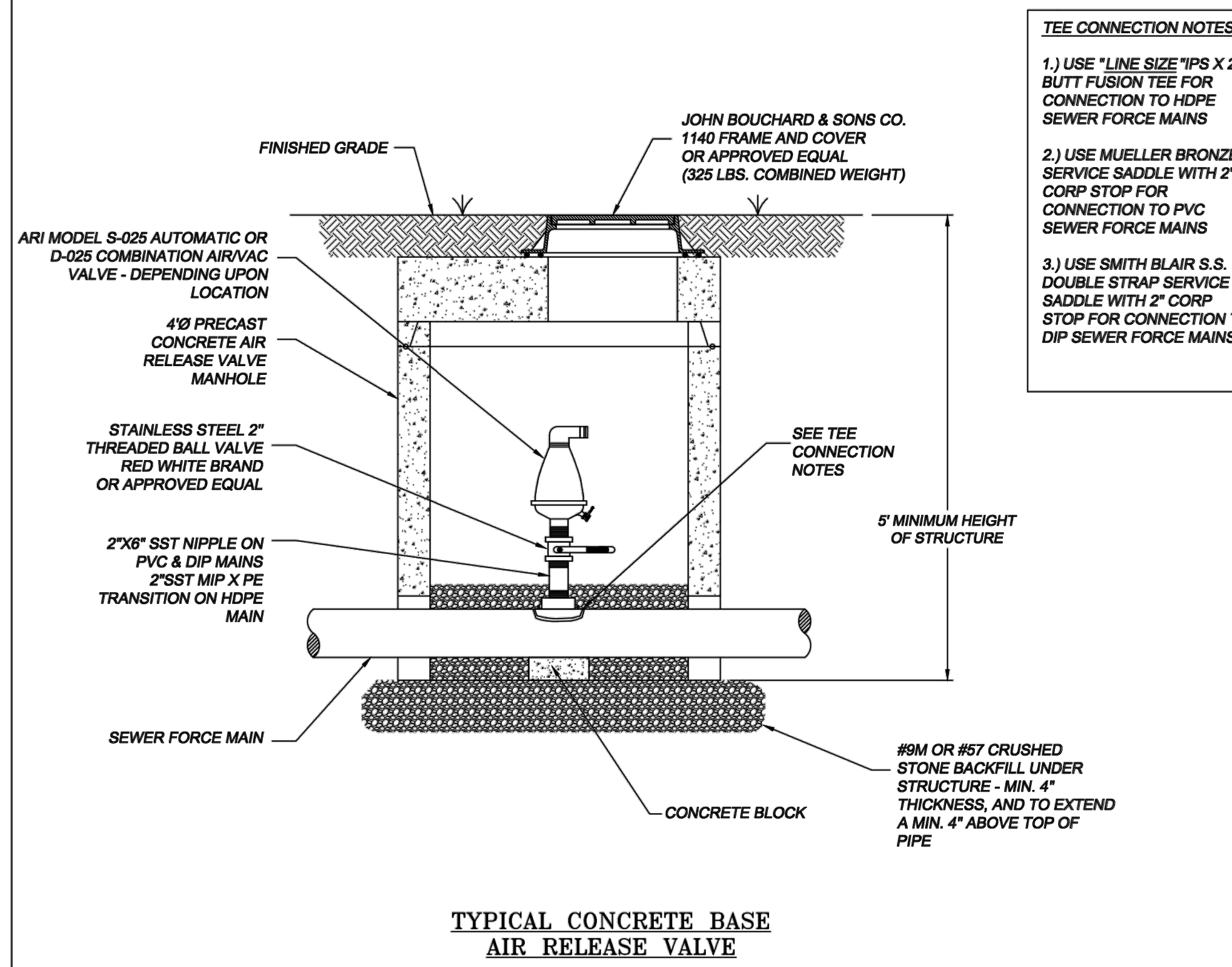
ENGINEER:	BSR	CKD BY:	CRK
DWN BY:	BSR	FINAL SURVEY DATE:	5-7-2025
CLIENT ADDRESS:	NEWCOMB OIL 951 WITHROW COURT BARDSTOWN, KY 40004		
PLOT DATE:	6-12-2025	CRD FILE:	2307307E
FILE NAME:	24X36	FILE NAME:	2307307E

DETAILS
FIVESTAR
2455 NEW BOWLING GREEN ROAD
GLASGOW, KY 42141

SHEET
IDENTIFICATION
C3.1

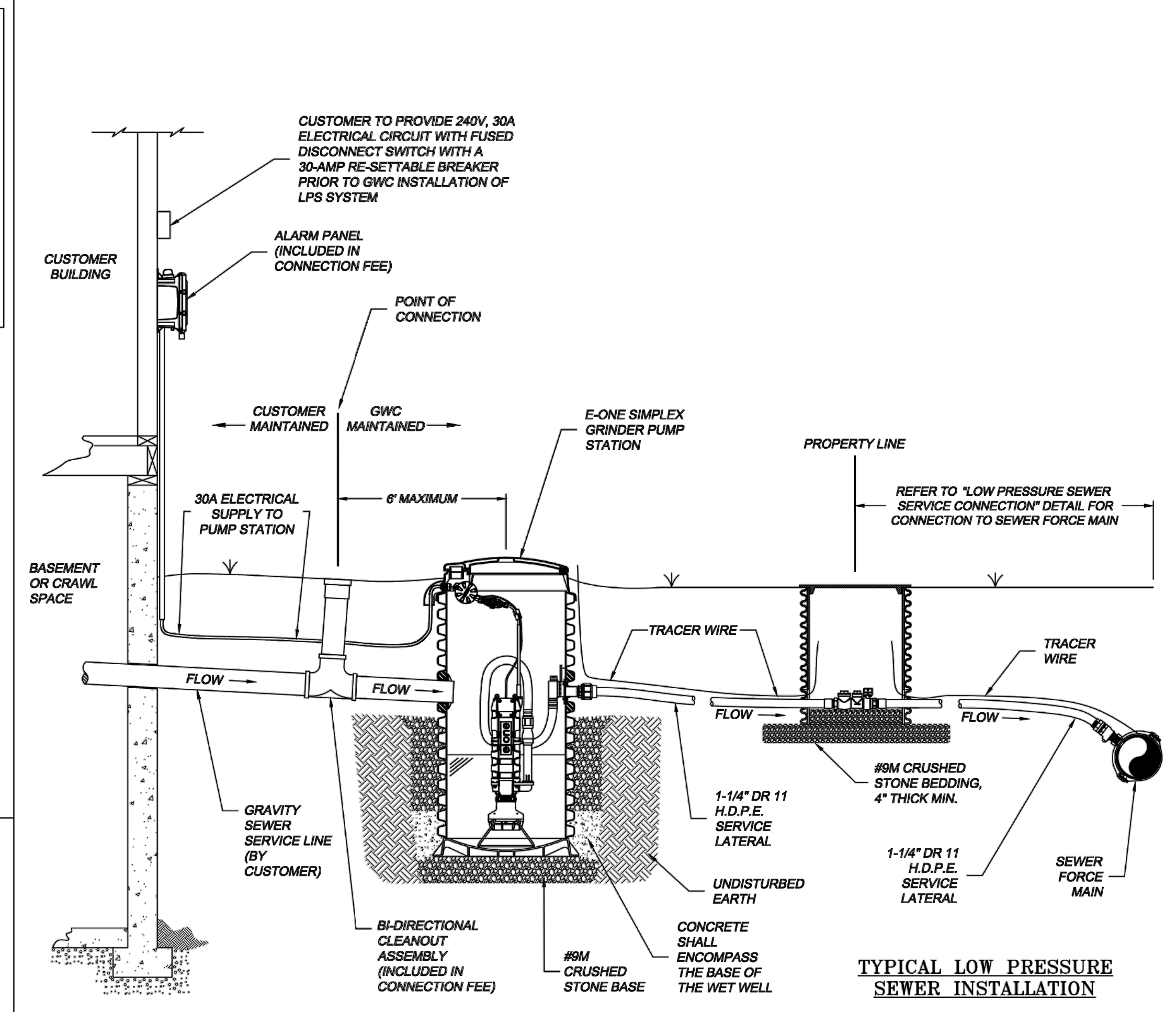


TYPICAL FLUSH CONNECTION ASSEMBLY

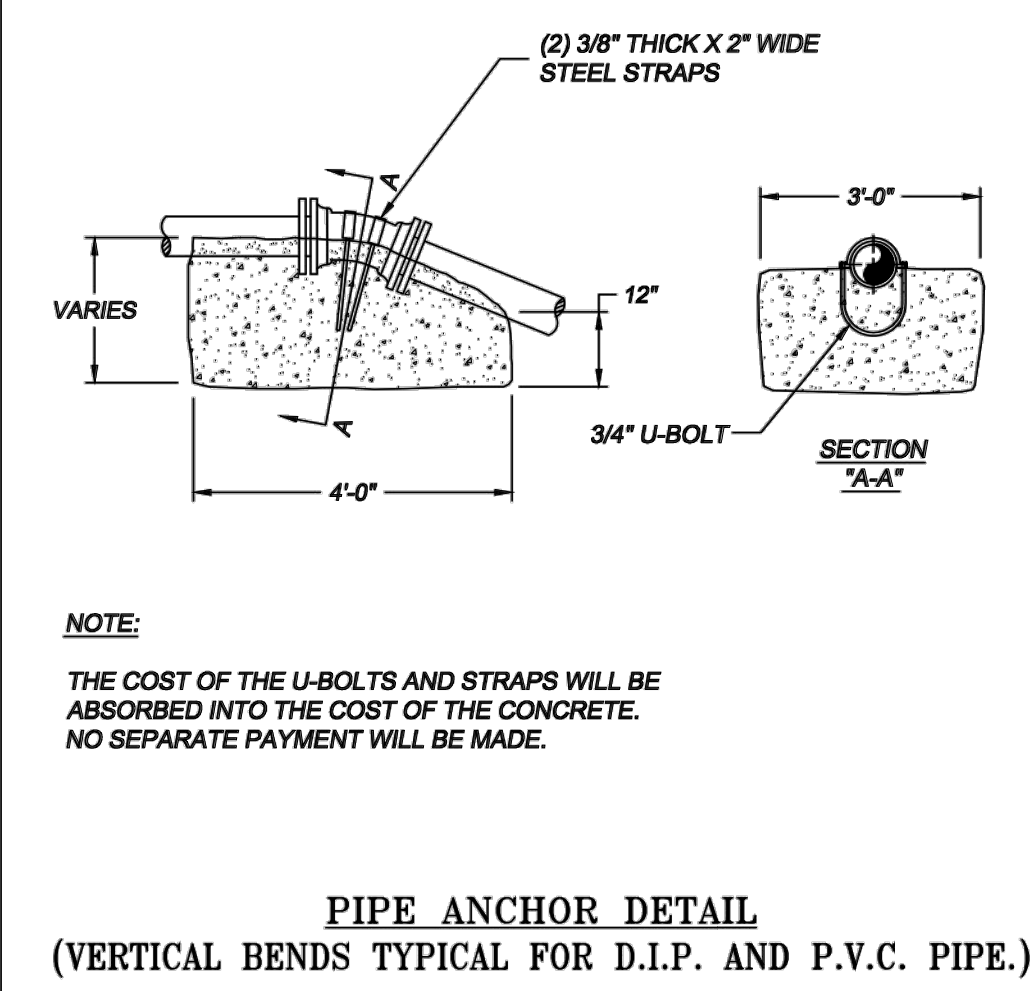


TYPICAL CONCRETE BASE AIR RELEASE VALVE

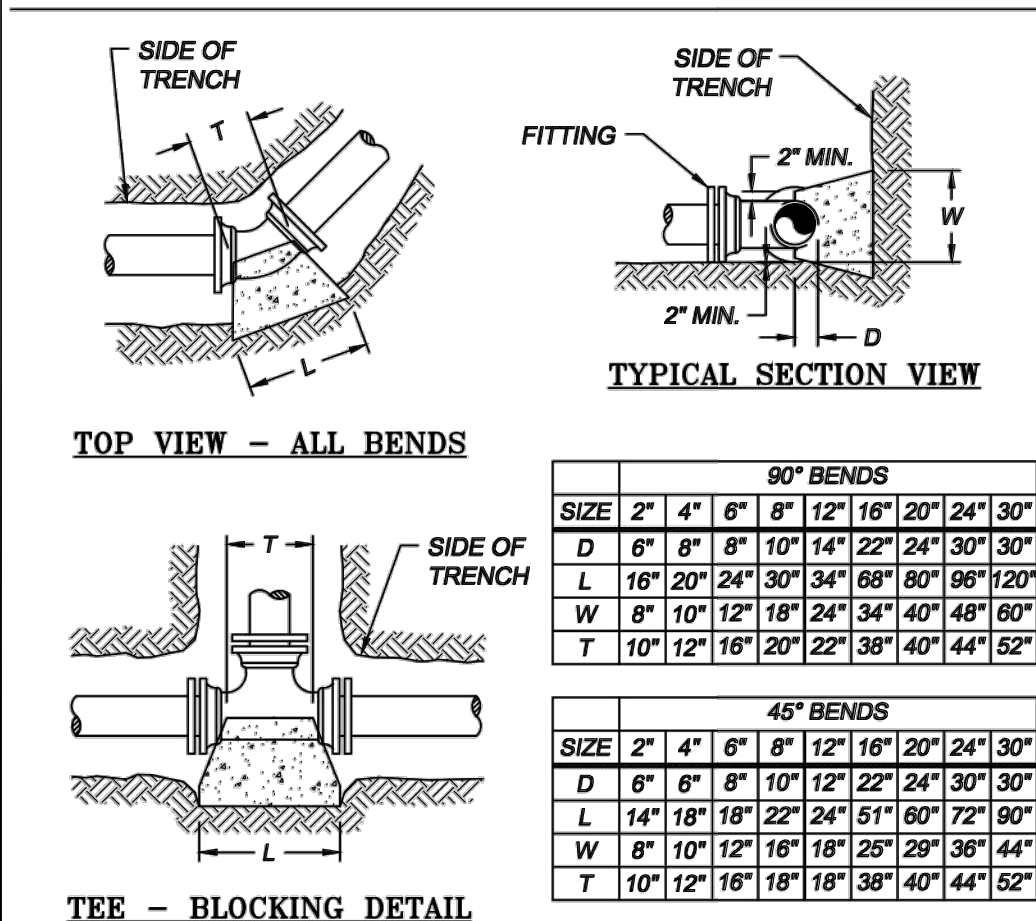
- TEE CONNECTION NOTES
- 1.) USE "LINE SIZE" 1"PS X 2" BUTT FUSION TEE FOR CONNECTION TO HDPE SEWER FORCE MAINS
 - 2.) USE MUELLER BRONZE SERVICE SADDLE WITH 2" CORP STOP FOR CONNECTION TO PVC SEWER FORCE MAINS
 - 3.) USE SMITH BLAIR S.S. DOUBLE STRAP SERVICE SADDLE WITH 2" CORP STOP FOR CONNECTION TO DIP SEWER FORCE MAINS



TYPICAL LOW PRESSURE SEWER INSTALLATION



PIPE ANCHOR DETAIL (VERTICAL BENDS TYPICAL FOR D.I.P. AND P.V.C. PIPE.)



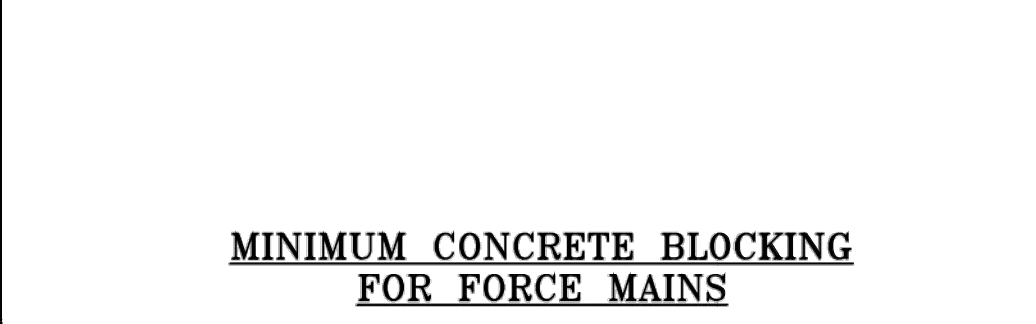
TYPICAL LINE VALVE SETTING

TEES & PLUGS

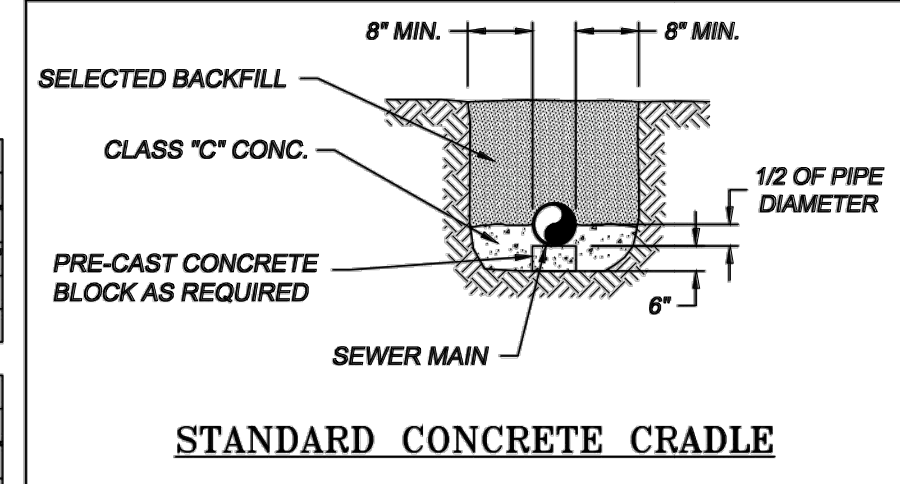
SIZE	2"	4"	6"	8"	12"	16"	20"	24"	30"
D	6"	8"	10"	12"	16"	20"	24"	30"	36"
L	12"	16"	20"	24"	30"	36"	42"	54"	66"
W	18"	24"	30"	36"	42"	54"	66"	81"	96"
T	10"	12"	16"	20"	24"	30"	36"	44"	52"

TEES & PLUGS

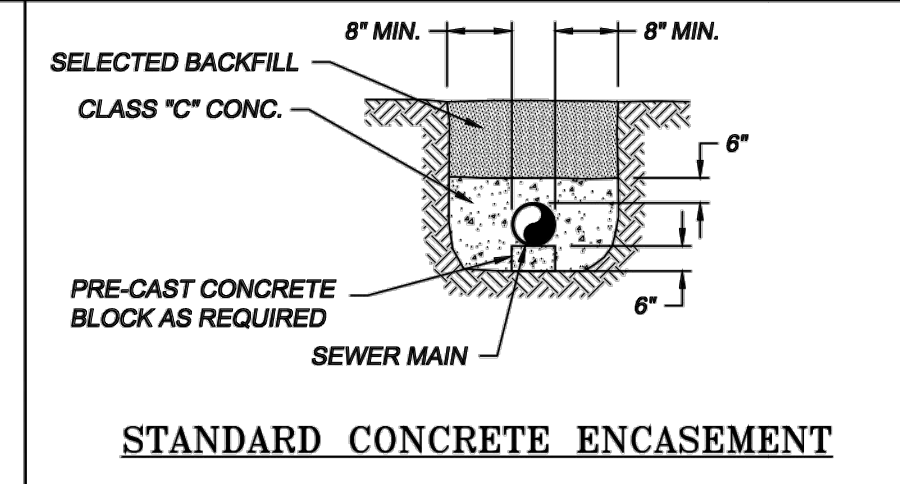
SIZE	2"	4"	6"	8"	12"	16"	20"	24"	30"
D	6"	8"	10"	12"	16"	20"	24"	30"	36"
L	12"	16"	20"	24"	30"	36"	42"	54"	66"
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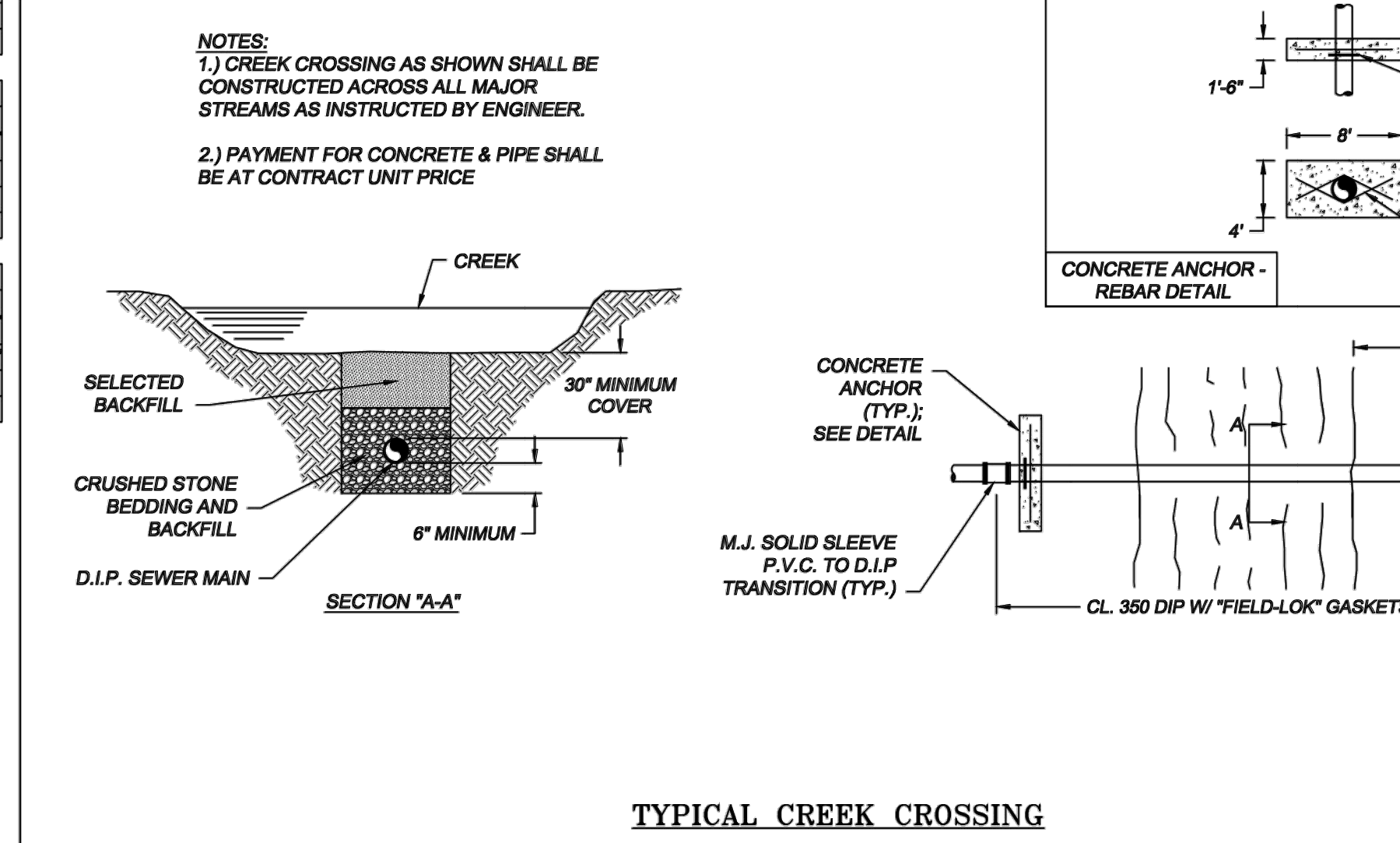
MINIMUM CONCRETE BLOCKING FOR FORCE MAINS



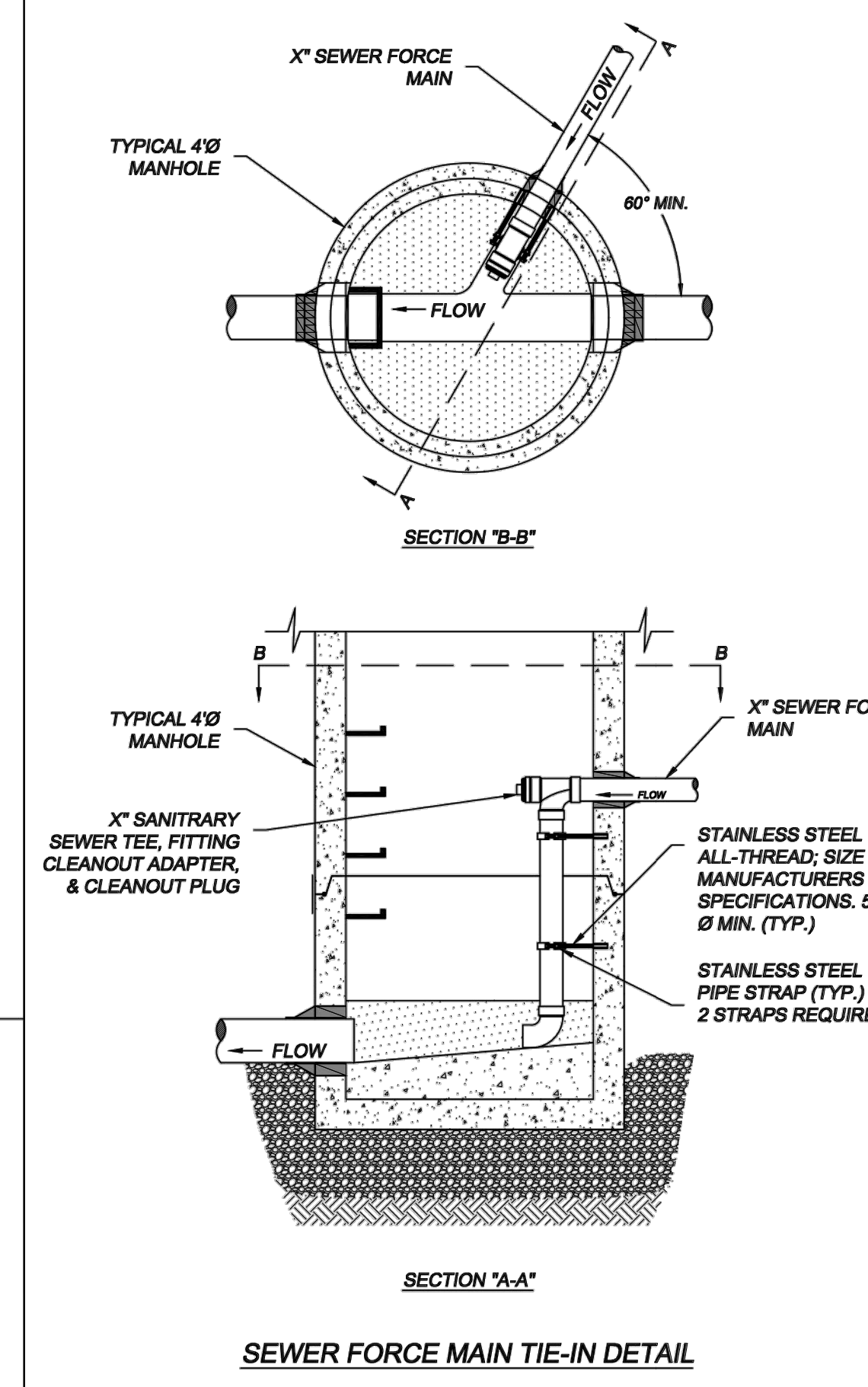
STANDARD CONCRETE CRADLE



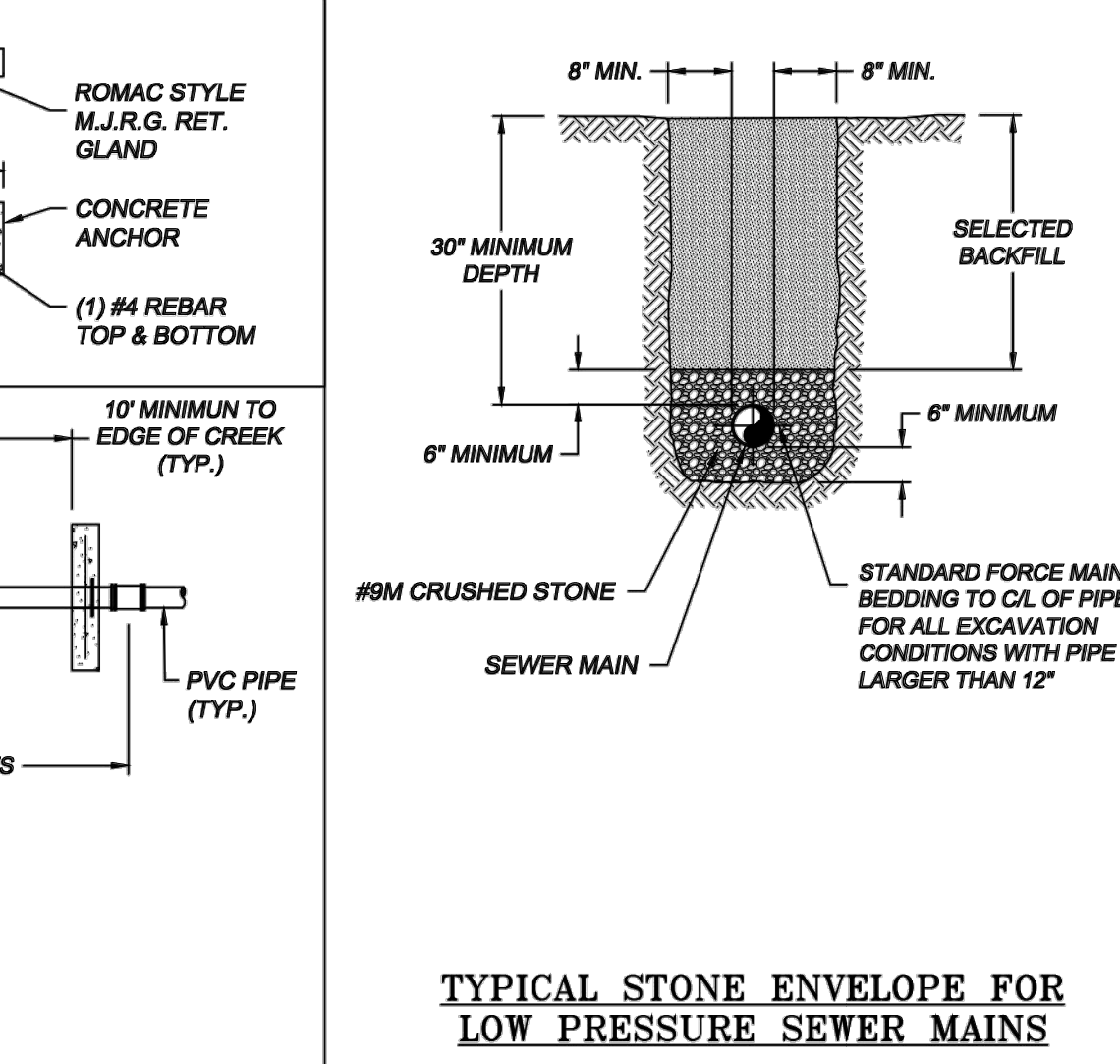
STANDARD CONCRETE ENCASEMENT



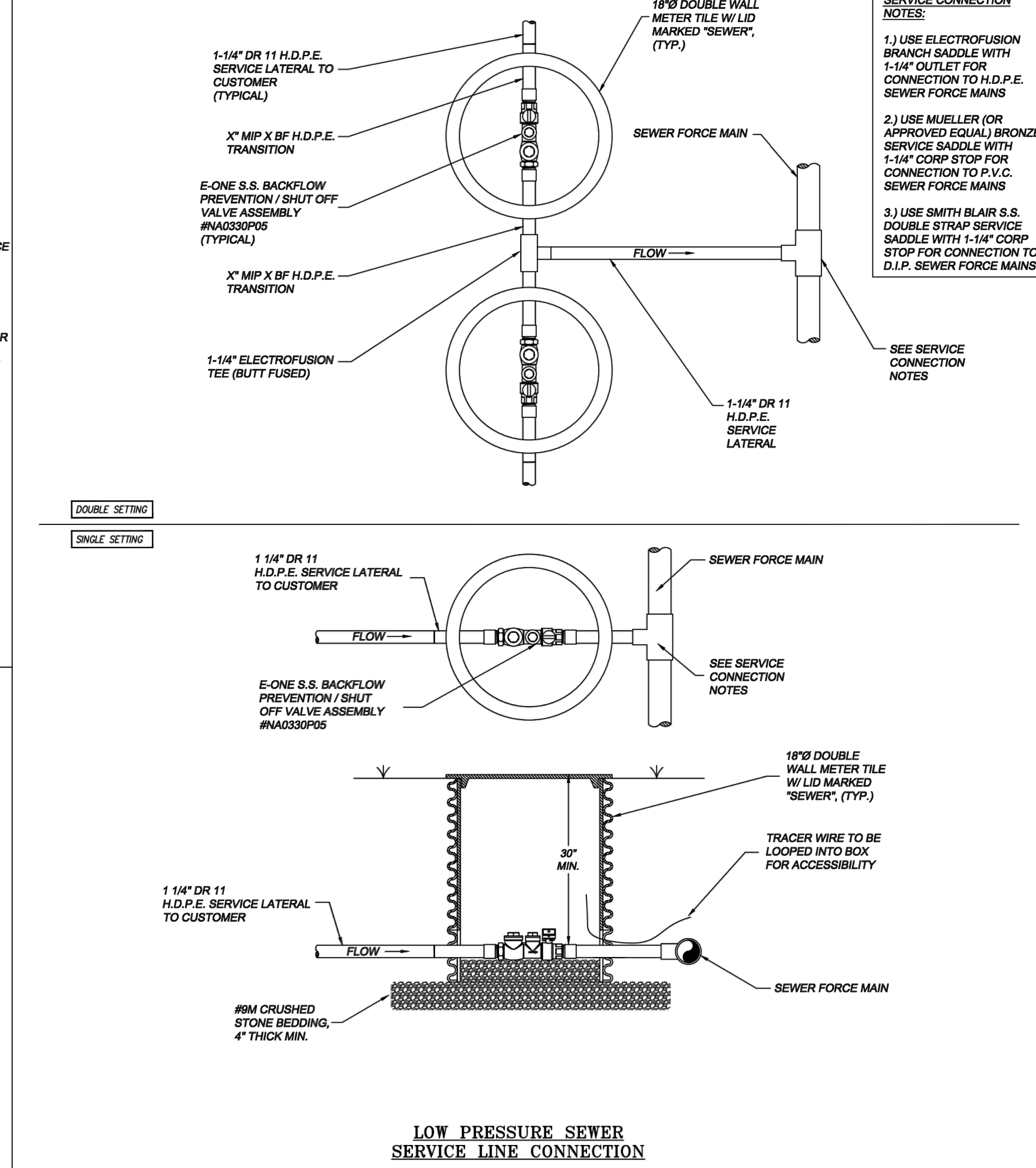
TYPICAL CREEK CROSSING



SEWER FORCE MAIN TIE-IN DETAIL



TYPICAL STONE ENVELOPE FOR LOW PRESSURE SEWER MAINS



LOW PRESSURE SEWER SERVICE LINE CONNECTION

301 WEST MAIN ST.
GLASGOW, KY 42411
OFFICE (270) 651-3721
FAC (270) 651-1651

SCALE: NOT TO SCALE

L.P.S. / FORCE MAIN STANDARD DETAILS

DATE: 7-29-22

REVISION NOTES:

#	1	2	3	4
1				
2				
3				
4				

ADDED SEWER FORCE MAIN TIE-IN DETAIL JA

SHEET # C3.2

JCA

DRAWN BY:

