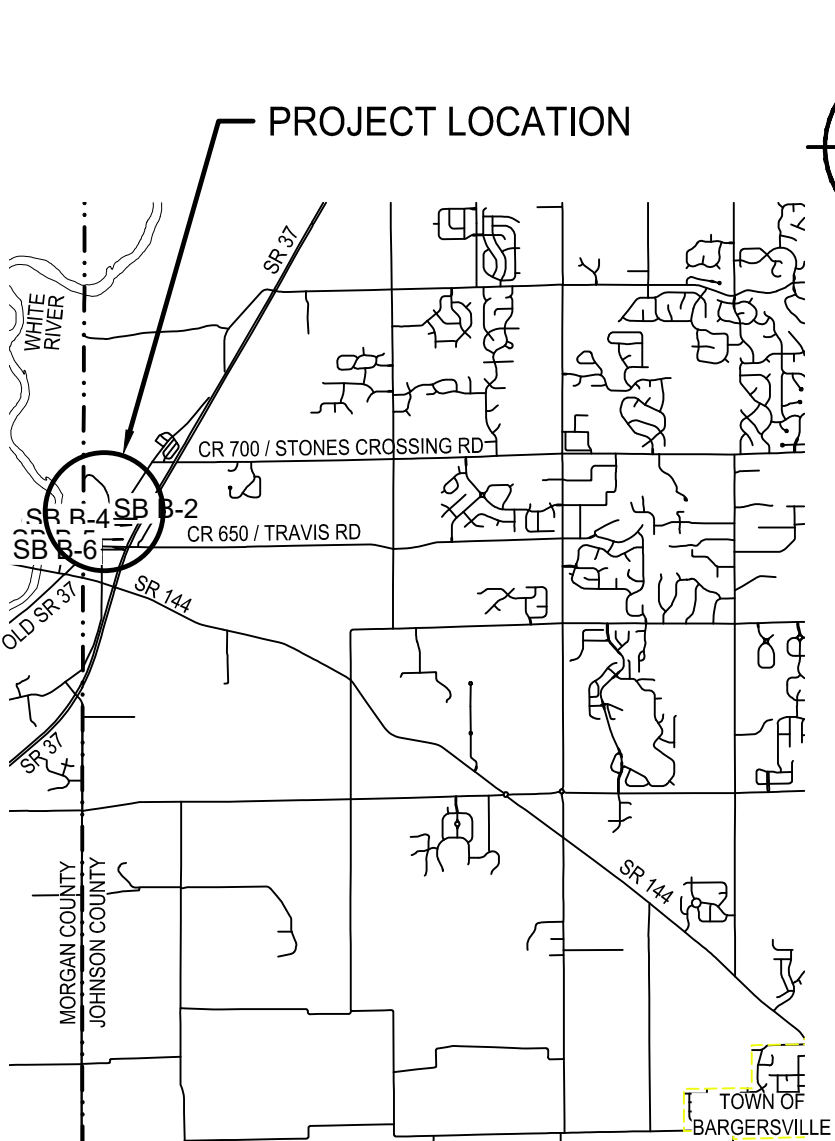


TRAVIS ROAD FORCE MAIN FOR THE

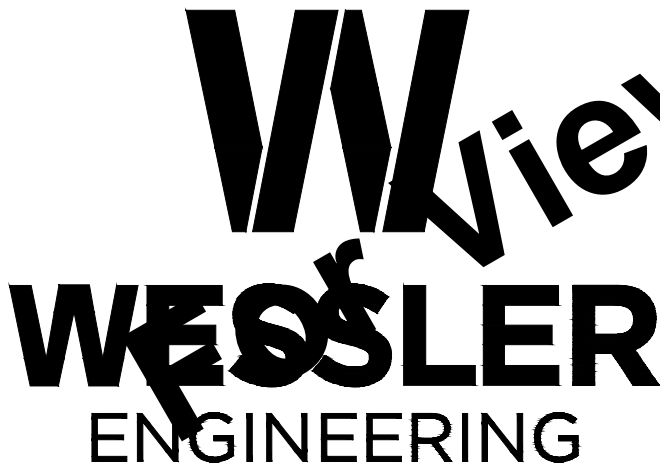
TOWN OF BARGERSVILLE, INDIANA



TOWN OF BARGERSVILLE, INDIANA
VICINITY MAP
SCALE: NONE



STATE LOCATION MAP
SCALE: NONE



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Indianapolis, Indiana 46227
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www.wesslerengineering.com

PROJECT NO. 235721-04-004

DRAWINGS PREPARED FOR:

BARGERSVILLE UTILITIES

TOWN OF BARGERSVILLE
24 N. MAIN STREET
BARGERSVILLE, IN 46106

JULY 2021

			ANDREW D. GORDON REGISTERED ENGINEER STATE OF INDIANA NO. 10809017	

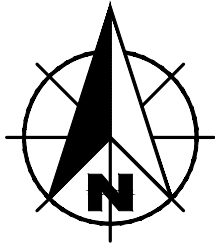
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Drawing: J:\Bargersville\Projects\235721-Bargersville Travis Road Force Main\CADD\DWG\Sheets\235721-GS.dwg | Layout: 1G2 | Plotted: 07/16/21 @ 09:35:08 | LastSavedBy: michelleE



ESRI WORLD IMAGERY

LOCATION AND SCOPE OF WORK PLAN



HORIZONTAL AND VERTICAL
CONTROL INFORMATION

NOTES:

1. A FIELD SURVEY WAS PERFORMED IN JANUARY 2021.
2. COORDINATES (INDIANA STATE PLANE, EAST ZONE, NAD 83) AND ELEVATIONS (NAVD 88) ARE BASED ON INCORS.
3. UNITS ARE U.S. SURVEY FEET.
4. CONTROL POINTS WERE SET USING GPS.
5. A LEVEL LOOP WAS PERFORMED ON THE CONTROL POINTS AND TIES.

BENCHMARK DESCRIPTION:



1. TBM NO.108 - RAILROAD SPIKE SET IN NORTH SIDE OF POWER POLE #JCREMC01369, LOCATED AT THE SOUTHWEST CORNER OF TRAVIS ROAD AND S.R.37
EL 689.23
2. TBM NO. 109 - RAILROAD SPIKE SET IN EAST SIDE OF POWER POLE #JCREMC02890, LOCATED APPROXIMATELY 30' NORTH OF END OF MORGAN CO SERVICE DRIVE
EL 740.53
3. TBM NO. 110 - 1/2" DIA. IN EAST BONNET BOLT OF FIRE HYDRANT, LOCATED AT THE BEGIN HOLLOW ROAD AT TRAVIS ROAD
EL 691.2

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	1574205.67	164682.44	688.39	5/8" REBAR
CP 2	1574205.77	164420.25	685.24	5/8" REBAR
CP 3	1574250.44	164084.23	685.19	5/8" REBAR
CP 4	1574597.80	164148.66	692.88	5/8" REBAR
CP 5	1575158.21	164549.86	697.53	5/8" REBAR
CP 6	1575508.55	164092.90	710.65	5/8" REBAR
CP 7	1575777.38	163717.76	731.29	5/8" REBAR

SOIL BORINGS	
DESCRIPTION	ELEVATION
B-2	708
B-3	697
B-4	695
B-5	689
B-6	687

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
1	TITLE SHEET
2	LOCATION AND SCOPE OF WORK PLAN, AND DRAWING INDEX
3	GENERAL NOTES AND ABBREVIATIONS
PLAN SHEETS	
4	PLAN AND PROFILE - LINE A (0+00 TO 4+25)
5	PLAN AND PROFILE - LINE A (4+25 TO 9+50)
6	PLAN AND PROFILE - LINE A (9+50 TO 13+50)
7	PLAN AND PROFILE - LINE A (13+50 TO 18+75)
8	PLAN AND PROFILE - LINE A (18+75 TO 22+75)
9	PLAN AND PROFILE - LINE A (22+75 TO END)
DETAILS	
10	MISCELLANEOUS DETAILS
11 -12	EROSION CONTROL DETAILS

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<div>SCALE VERIFICATION</div> <div>BAR IS ONE INCH LONG ON ORIGINAL DRAWING</div> <div><div></div></div>	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	<div></div> <div></div> <div>WESSLER ENGINEERING</div> <div>More than a Project™</div>	TRAVIS ROAD FORCE MAIN	
	CHECKED BY	DLL						TOWN OF BARGERSVILLE, INDIANA	
	APPROVED BY	ADG						LOCATION AND SCOPE OF WORK PLAN, AND DRAWING INDEX	
	ISSUE DATE								
	JULY 2021								
	PROJECT NUMBER								
	235721-04-004								

Drawing: J:\Bargersville\Projects\235721-GS.dwg | Layout: IG3 | Plotted: 07/16/21 @ 09:35:10 | LastSavedBy: michelleE

EXISTING FEATURES LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BENCH MARK		CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
	TEMPORARY BENCH MARK		ELECTRIC METER		LOT BOUNDARY
	SOIL BORING LOCATION		AIR CONDITIONING UNIT		PROPERTY BOUNDARY
	SECTION CORNER		UTILITY RISER (DEFINED BY UTILITY)		RIGHT-OF-WAY - TEMPORARY/PERMANENT
	DRILL HOLE IN CONCRETE/HARRISON MONUMENT		UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
	CONTROL POINT (SET/FOUND)		UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
	MAGNETIC NAIL (SET/FOUND)		JOINT POWER/TELEPHONE POLE		CONTOUR - INTERMEDIATE ELEVATION
	BOAT SPIKE (SET/FOUND)		LIGHT POLE		CONTOUR - INDEX ELEVATION
	PK NAIL (SET/FOUND)		LIGHT ON POWER POLE		OVERHEAD ELECTRIC
	RAILROAD SPIKE (SET/FOUND)		LIGHT ON JOINT POLE		OVERHEAD CABLE TV
	R/W MARKER - CONCRETE/GRANITE/STONE		POWER POLE		OVERHEAD TELEPHONE
	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)		TELEPHONE POLE		UNDERGROUND CABLE TV
	BRASS PLUG		LAMP POST		UNDERGROUND ELECTRIC
	CABLE TV MANHOLE		GUY ANCHOR		UNDERGROUND FIBER OPTIC
	ELECTRIC MANHOLE		GUY POLE OR STUB		GAS MAIN
	GAS MANHOLE		CONTROLLER CABINET		DIGESTER GAS
	OTHER MANHOLE		FLAG POLE		PETROLEUM MAIN
	TELEPHONE MANHOLE		POST		UNDERGROUND TELEPHONE
	TELEPHONE VAULT		GROUND LIGHT		WATER MAIN
	TRAFFIC MANHOLE		MAILBOX		WATER SERVICE
	TRAFFIC HANDHOLE		DOUBLE/MULTIPLE MAILBOX		FORCEMAIN
	WATER MANHOLE		MAST ARM POLE		GRAVITY SEWER PIPE
	AIR RELEASE VALVE		TRAFFIC SIGNAL STRAIN POLE		PLANT CHLORINE PIPE
	SANITARY SEWER MANHOLE		SIGNAL LOOP DETECTOR BOX		TOP OF BANK/TOE OF SLOPE
	DRAINAGE/STORM SEWER MANHOLE		SIGNAL LOOP DETECTOR LOOP		CENTERLINE OF DITCH/SWALE/STREAM
	SANITARY SEWER CLEANOUT		SIGN - SINGLE POST		FENCE - FIELD
	SEPTIC TANK		SIGN - DOUBLE POST		FENCE - METAL
	VALVE VAULT		SIGN - RAILROAD SIGNAL		FENCE - WOOD
	BEEHIVE INLET		SIGN - RAILROAD CROSSING		GUARDRAIL
	CURB INLET		BUSH		STREAM
	DROP INLET		STUMP		TREE/BRUSH LINE
	CATCH BASIN		TREE - CONIFEROUS		
	DOWNSPOUT		TREE - DECIDUOUS		
	GAS METER		ROCK OUTCROP		
	GAS VALVE		SATELLITE		
	GAS SERVICE VALVE		SPRINKLER CONTROL VALVE		
	PETROLEUM VALVE		WATER METER		
	PETROLEUM SHUT OFF VALVE		WATER VALVE		
	GAS STATION MONITORING WELL		WATER SERVICE VALVE		
	GAS STATION FILL CAP		WATER WELL		
	NATURAL GAS WELL/STORAGE WELL		WET WELL		
	SPRINKLER HEAD		FAUCET/DRAINANT		
	YARD HYDRANT		PROCESS VALVE		

*NOTE: THIS TABLE IS A LISTING OF TYPICAL EXISTING SYMBOLS AND MAY NOT INCLUDE ALL EXISTING SYMBOLS FOUND WITHIN THIS PLAN SET. UNCLOSED ITEMS WILL BE CALLED OUT ON THEIR PLAN SHEETS. IF A QUESTION ARISES AS TO THE MEANING OF ANY SYMBOL NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION. THE SYMBOLS ARE NOT TO SCALE.


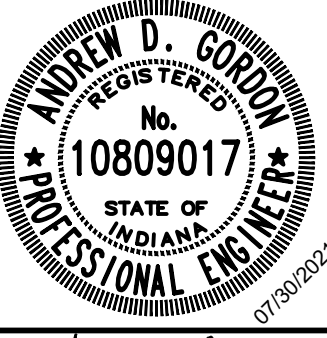

TABLE OF ABBREVIATIONS			
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
ALUM	ALUMINUM	ISPC	INDIANA STATE PLANE COORDINATE
APP	APPARENT	LB	POUND(S)
APPROX	APPROXIMATE(LY)	LF	LINEAR FEET
ASPH	ASPHALT	LN	LANE
ASSOC	ASSOCIATES	LS	LIFT STATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MA EX	MATCH EXISTING
AVE	AVENUE	MJ	MECHANICAL JOINT
AVG	AVERAGE	MATL	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLVD	BOULEVARD	MH	MANHOLE
BM	BENCHMARK	MIN	MINIMUM
CO	CLEANOUT	MISC	MISCELLANEOUS
CI	CAST IRON	N	NORTHING, NORTH
CL	CENTER LINE	NGS	NATIONAL GEODETIC SURVEY
CMA	COLD MIX ASPHALT	NO.	NUMBER
CMP	CORRUGATED METAL PIPE	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
CONC	CONCRETE	PC	POINT OF CURVE (BEGIN CURVE)
CONT	CONTINUOUS	POLY	POLYETHYLENE
CNR	CORNER	PI	POINT OF INTERSECTION
CP	CONTROL POINT	POT	POINT ON TANGENT
CPP	CORRUGATED PLASTIC PIPE	PT	POINT OF TANGENT (END CURVE)
CR STN	CRUSHED STONE	PSI	POUNDS PER SQUARE INCH
CYD	CUBIC YARD	PT	POINT
D	DEPTH	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	R	RADIUS
DI MJ	DUCTILE IRON MECHANICAL JOINT	ROW	RIGHT-OF-WAY
DBL	DOUBLE	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	RD	ROAD
DIP	DUCTILE IRON PIPE	S	SOUTH
DIPS	DUCTILE IRON PIPE SIZE		STATE ROUTE
DR	DRIVE	SST	STAINLESS STEEL
E	EASTING, EAST	SVA	SERVICE VALVE ASSEMBLY
EF	EACH FACE	SB	SOIL BORING
EW	EACH WAY	SCHED	SCHEDULE
EA	EACH	SDR	STANDARD DIMENSION RATIO
EJ	EAST - JAPAN IRON WORKS	SECT	SECTION
EL	ELEVATION	SF	SQUARE FEET
EX	EXISTING	SHT	SHEET
EXP	EXPANSION	SPECS	SPECIFICATION(S)
FF	FINISH FLOOR ELEVATION	SQ	SQUARE
FM	FORCE MAIN	SRF	STATE REVOLVING FUND
FND	FOUND	ST	STREET
FT	FEET	STA	STATION
FTG	FOOTING	SYD	SQUARE YARD
GALV	GALVANIZED	TBM	TEMPORARY BENCHMARK
GPS	GLOBAL POSITIONING SYSTEM	TC	TOP OF CASTING
HMA	HOT MIX ASPHALT	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	USGS	US GEOLOGICAL SURVEY
HORIZ	HORIZONTAL	VERT	VERTICAL
ID	INSIDE DIAMETER	VLV	VALVE
IE	INVERT ELEVATION	W	WIDTH, WEST
INC	INCORPORATED	WSE	WATER SURFACE ELEVATION
INDOT	INDIANA DEPARTMENT OF TRANSPORTATION	YR	YEAR
INSTR	INSTRUMENT		
INV	INVERT		

*NOTE: THIS TABLE IS A LISTING OF TYPICAL ABBREVIATIONS AND MAY NOT INCLUDE ALL ABBREVIATIONS FOUND WITHIN THIS PLAN SET. IF A QUESTION ARISES ON THE MEANING OF AN ABBREVIATION NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION.

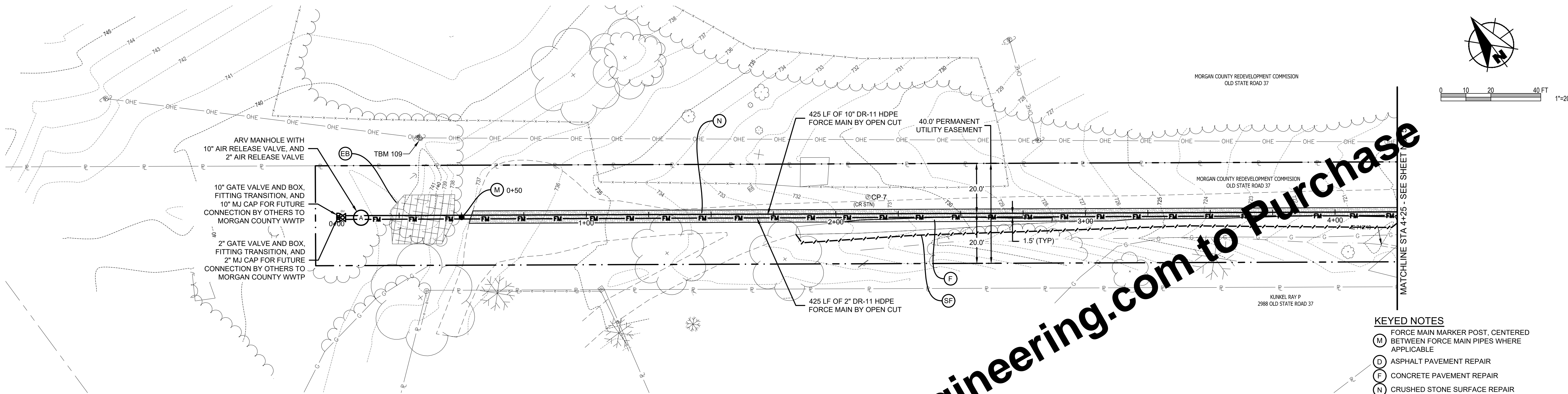
UTILITY CONTACTS

WATER TOWN OF BARGERSVILLE 24 N MAIN STREET BARGERSVILLE, IN 46106 317-714-3163 ATTN: JEFF JONES	GAS TEXAS GAS TRANSMISSION 2332 HWY 60 WEST HARDINSBURG, KY 40143 270-779-3893 ATTN: KEVIN CARMAN	GAS VECTREN DISTRIBUTION 600 INDUSTRIAL DRIVE FRANKLIN, IN 46131 765-2125-4679 ATTN: JON EASTHAM	ELECTRIC JOHNSON COUNTY REMC BOX 309 FRANKLIN, IN 46131 317-738-7639 ATTN: SCOTT JEANE
--	---	--	--

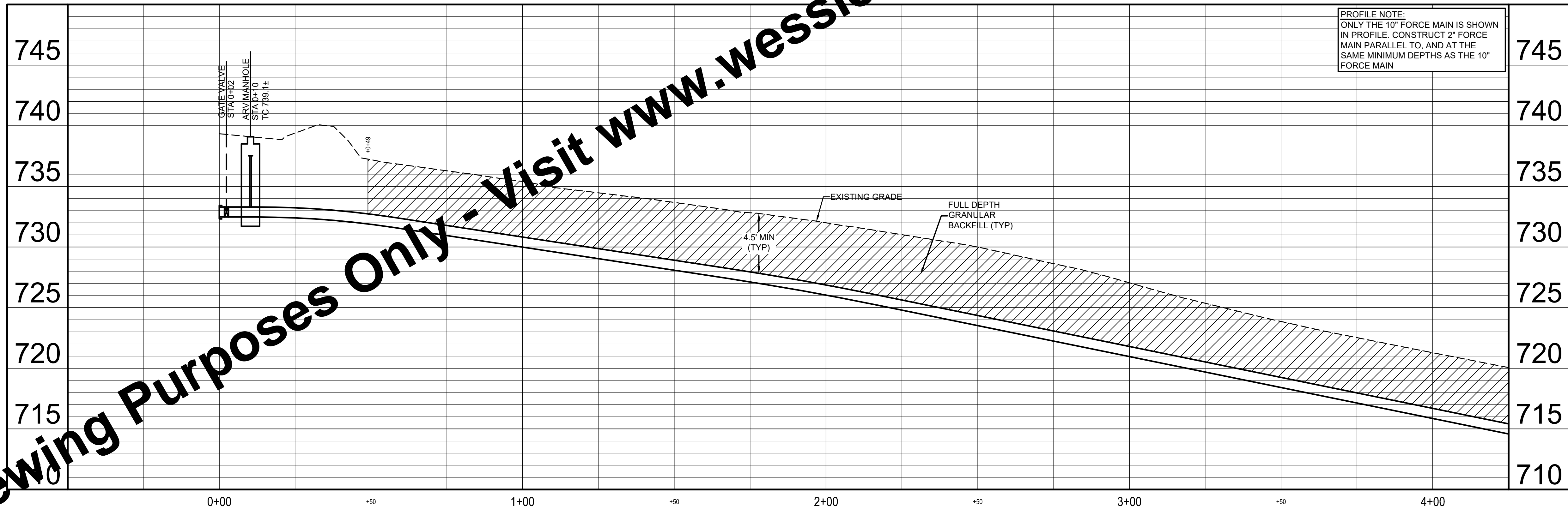
- GENERAL NOTES:
- NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.
 - ANY ALTERATIONS TO THESE DRAWINGS NOT AUTHORIZED BY WESSLER ENGINEERING AND NOT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND RECORDS ON FILE AT WESSLER ENGINEERING SHALL RELIEVE WESSLER ENGINEERING OF ANY RESPONSIBILITY FOR THE ACCURACY OF THE DRAWINGS.
 - USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO STATE, COUNTY, MUNICIPAL, AND PRIVATE PROPERTY. REPAIR ALL DAMAGES AS A RESULT OF OPERATIONS, INCLUDING DAMAGE TO DRAINAGE STRUCTURES, FIELD TILES, PUBLIC/PRIVATE ROADS, AND LANDSCAPING (INCLUDING FENCING). REPAIR AND REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. PERFORM ALL REPAIR AND REPLACEMENT WORK TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER AND THE ENGINEER.
 - TAKE CARE TO AVOID DAMAGE TO PAVED AREAS WHICH ARE NOT SPECIFICALLY CALLED OUT FOR REPAIR OR REPLACEMENT. REPAIR, OR REPLACE ALL SUCH PAVEMENTS WHICH ARE DAMAGED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST TO THE OWNER.
 - OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
 - COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS. APPLICABLE PERMITS ISSUED TO THE OWNER WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT ALL APPLICABLE PERMITTING AGENCIES WITHIN THE TIME PERIOD SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING OF CONSTRUCTION.
 - ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION, SIZE AND INVERT ELEVATION, IS SHOWN BASED UPON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE OR ASSUME SUCH INFORMATION TO BE TRUE, ACCURATE, COMPLETE, EXCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (UPLPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY TO IDENTIFY NON-MEMBER UTILITIES DIRECTLY.
 - DETERMINE WHICH UTILITIES MAY CONFLICT WITH WORK AND VERIFY THEIR LOCATION, SIZE AND ELEVATION PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS. IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AS SOON AS POSSIBLE.
 - EXISTING UTILITY SERVICE LINES FOR INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME THAT UNDERGROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF THE PLANNED IMPROVEMENTS.
 - COORDINATE ALL WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
 - COORDINATE ALL PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITY AFFECTED CUSTOMERS. SERVICE INTERRUPTIONS SHOULD NOT LAST MORE THAN FOUR (4) HOURS. GIVE WRITTEN NOTICE TO ALL AFFECTED UTILITY CUSTOMERS AND PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS BUT NOT MORE THAN SEVENTY-TWO (72) HOURS PRIOR TO ANY PLANNED INTERRUPTION OF UTILITY SERVICE.
 - USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO EXISTING UTILITIES. REPAIR OR REPLACE ALL PUBLIC AND PRIVATE FACILITIES DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
 - MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
 - DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
 - COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
 - ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
 - TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
 - NORTHING AND EASTING INFORMATION IS GIVEN AT CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
 - PLACE NO. 8 CRUSHED AGGREGATE BETWEEN PIPES AT ALL PIPE CROSSINGS TO PREVENT PIPE SETTLEMENT UNLESS SHOWN OTHERWISE.
 - RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
 - IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.

<div>SCALE VERIFICATION</div> <div>BAR IS ONE INCH LONG ON ORIGINAL DRAWING</div> <div></div>	<div>DRAWN BY</div> <div>MRE</div>	<div>NO.</div> <div>DATE</div> <div>INITIALS</div>	<div>REVISION DESCRIPTIONS</div>	<div></div> <div></div> <div>More than a Project™</div>	<div>TRAVIS ROAD FORCE MAIN</div> <div>TOWN OF BARGERSVILLE, INDIANA</div>	<div>SHEET NO.</div> <div>3</div>
	<div>CHECKED BY</div> <div>DLL</div>				<div>GENERAL NOTES AND ABBREVIATIONS</div>	<div>TOTAL SHEETS</div> <div>12</div>
	<div>APPROVED BY</div> <div>ADG</div>					
	<div>ISSUE DATE</div> <div>JULY 2021</div> <div>PROJECT NUMBER</div> <div>235721-04-004</div>					

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- KEYED NOTES**
- (M) FORCE MAIN MARKER POST, CENTERED BETWEEN FORCE MAIN PIPES WHERE APPLICABLE
 - (D) ASPHALT PAVEMENT REPAIR
 - (F) CONCRETE PAVEMENT REPAIR
 - (N) CRUSHED STONE SURFACE REPAIR
 - (EB) EROSION CONTROL BLANKET
 - (SF) SILT FENCE OR FIBER FILTRATION TUBE



PROFILE NOTE:
ONLY THE 10" FORCE MAIN IS SHOWN IN PROFILE. CONSTRUCT 2" FORCE MAIN PARALLEL TO, AND AT THE SAME MINIMUM DEPTHS AS THE 10" FORCE MAIN

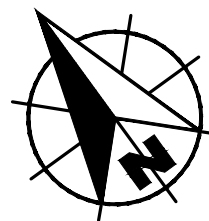
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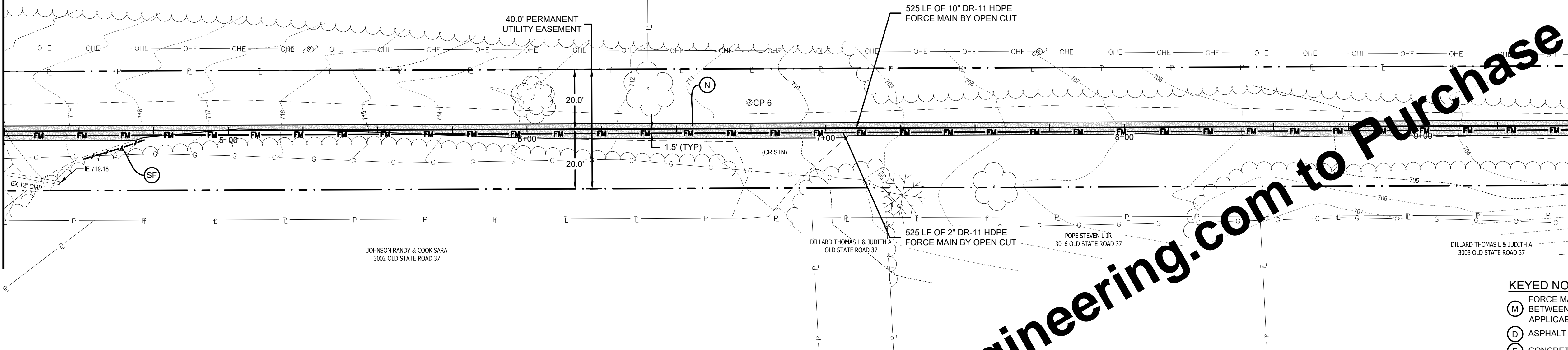
TRAVIS ROAD FORCE MAIN
TOWN OF BARGERSVILLE, INDIANA
PLAN AND PROFILE - LINE A
0+00 TO 4+25

SHEET NO.
4
TOTAL SHEETS
12



0 10 20 40 FT
1"=20'

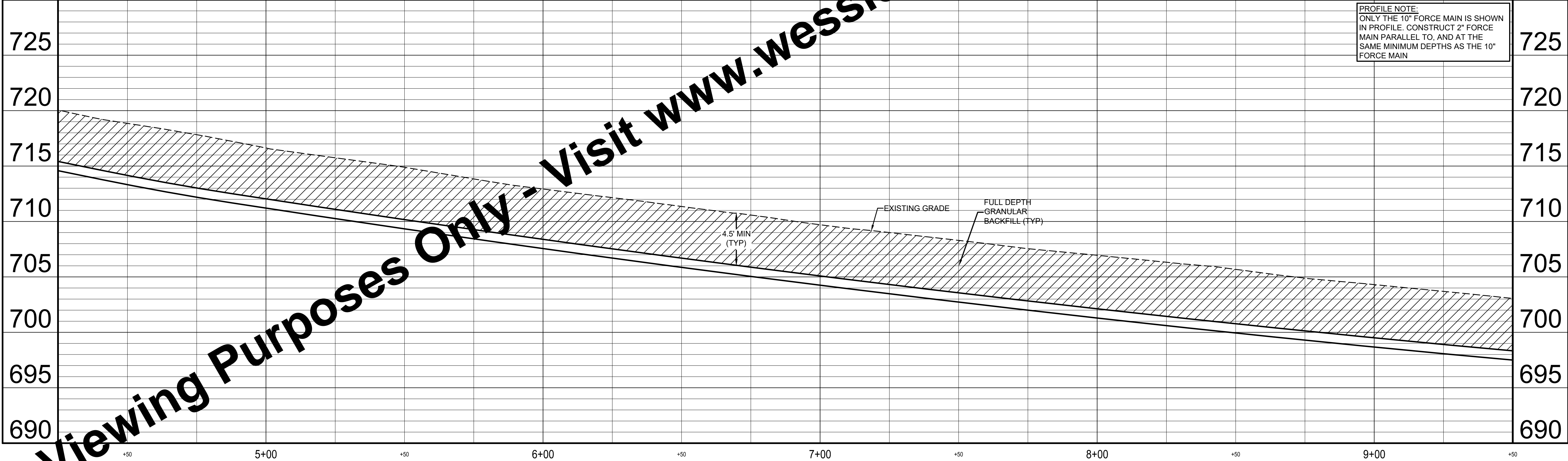
MATCHLINE STA 4+25 - SEE SHEET NO. 4



PLAN - LINE A
SCALE: 1" = 20'

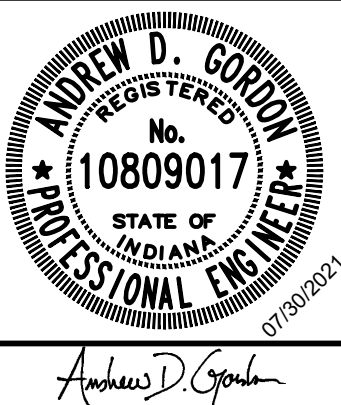
- KEYED NOTES
- (M) FORCE MAIN MARKER POST, CENTERED BETWEEN FORCE MAIN PIPES WHERE APPLICABLE
 - (D) ASPHALT PAVEMENT REPAIR
 - (F) CONCRETE PAVEMENT REPAIR
 - (N) CRUSHED STONE SURFACE REPAIR
 - (ER) EROSION CONTROL BLANKET
 - (SF) SILT FENCE OR FIBER FILTRATION TUBE

PROFILE NOTE:
ONLY THE 10" FORCE MAIN IS SHOWN IN PROFILE. CONSTRUCT 2" FORCE MAIN PARALLEL TO, AND AT THE SAME MINIMUM DEPTHS AS THE 10" FORCE MAIN



PROFILE - LINE A
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

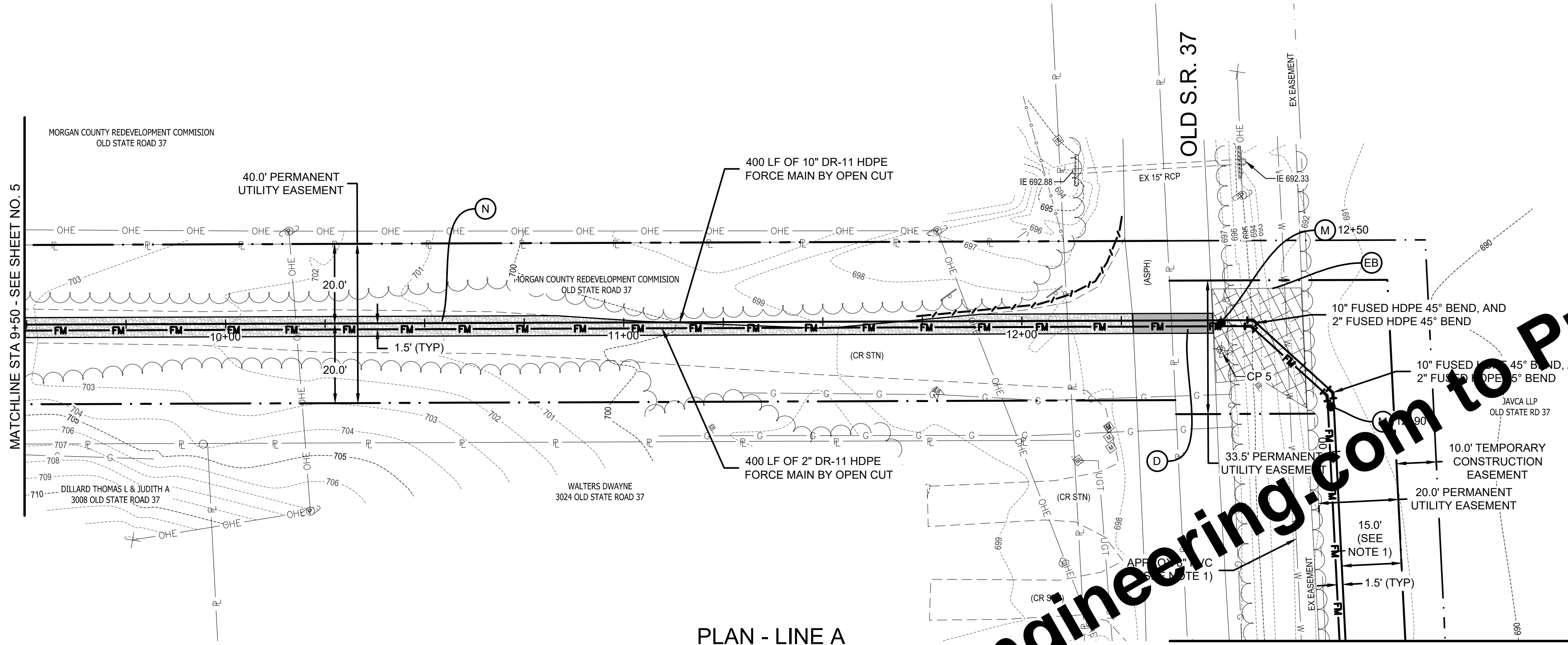
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	APPROVED BY	ADG				
	ISSUE DATE					
	JULY 2021					
	PROJECT NUMBER					
		235721-04-004				



TRAVIS ROAD FORCE MAIN	SHEET NO. 5
TOWN OF BARGERSVILLE, INDIANA	
PLAN AND PROFILE - LINE A 4+25 TO 9+50	

TOTAL SHEETS
12

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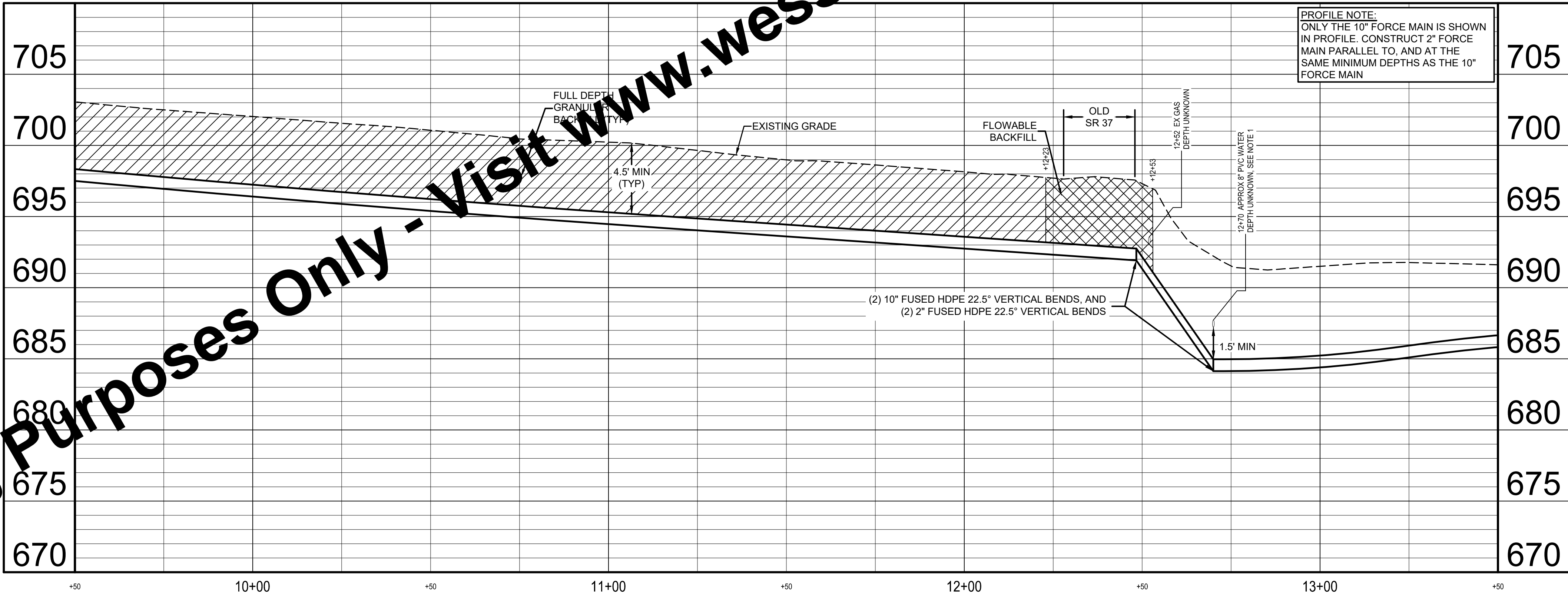


PLAN - LINE A
SCALE: 1" = 20'

MATCHLINE STA 13+50 - SEE SHEET NO. 7

- KEYED NOTES**
- (M) FORCE MAIN MARKER POST, CENTERED BETWEEN FORCE MAIN PIPES WHERE APPLICABLE
 - (D) ASPHALT PAVEMENT REPAIR
 - (F) CONCRETE PAVEMENT REPAIR
 - (N) CRUSHED STONE SURFACE REPAIR
 - (EB) EROSION CONTROL BLANKET
 - (SF) SILT FENCE OR FIBER FILTRATION TUBE

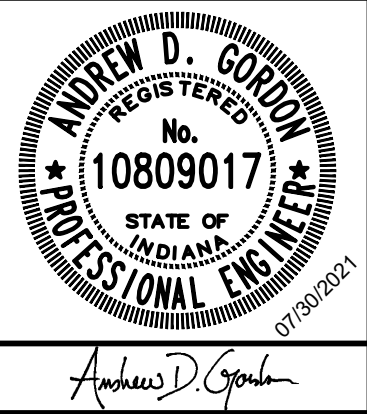
- NOTES:**
- 8" PVC WATER MAIN ALONG OLD SR 37 HAS NOT BEEN FIELD LOCATED. CONTRACTOR TO FIELD LOCATE AND NOTIFY ENGINEER PRIOR TO CONSTRUCTION. IF PLANNED LOCATION OF NEW FORCE MAIN IS WITHIN 10' OF EXISTING WATER MAIN.



PROFILE - LINE A
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

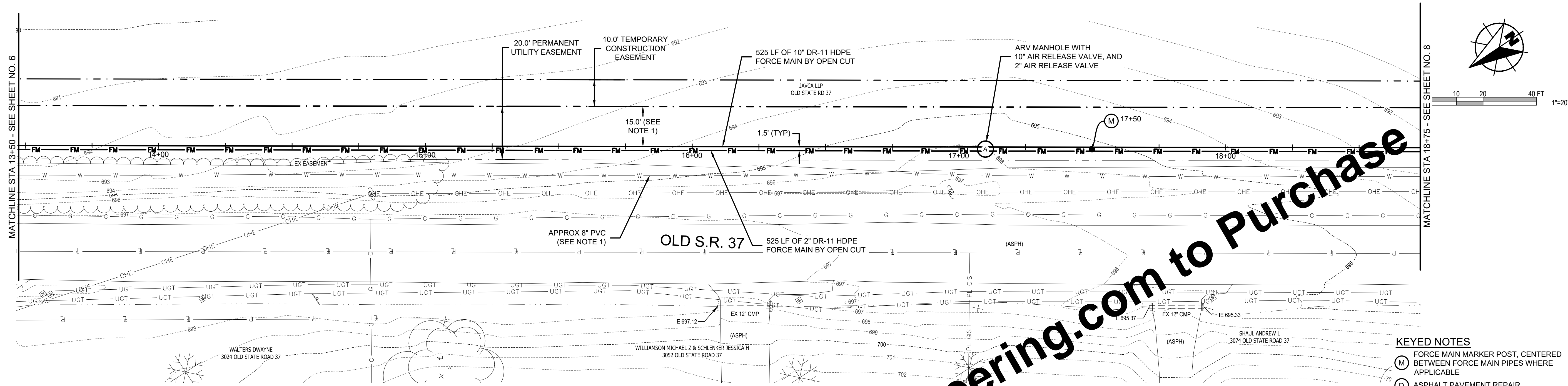
PROFILE NOTE:
ONLY THE 10" FORCE MAIN IS SHOWN IN PROFILE. CONSTRUCT 2" FORCE MAIN PARALLEL TO, AND AT THE SAME MINIMUM DEPTHS AS THE 10" FORCE MAIN

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING <div></div>	CHECKED BY	DLL				
	APPROVED BY	ADG				
	ISSUE DATE					
	JULY 2021					
	PROJECT NUMBER					
		235721-04-004				



TRAVIS ROAD FORCE MAIN
TOWN OF BARGERSVILLE, INDIANA
PLAN AND PROFILE - LINE A 9+50 TO 13+50

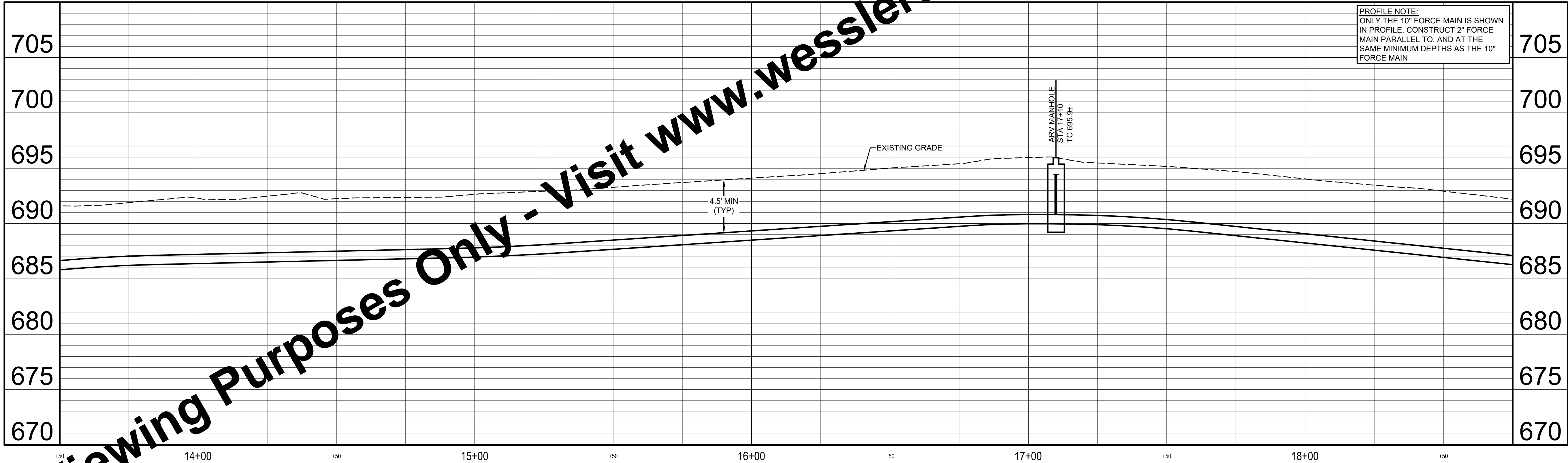
SHEET NO.
6
TOTAL SHEETS
12



PLAN - LINE A
SCALE: 1" = 20'

NOTES:
1. 8" PVC WATER MAIN ALONG OLD SR 37 HAS NOT BEEN FIELD LOCATED. CONTRACTOR TO FIELD LOCATE AND NOTIFY ENGINEER PRIOR TO CONSTRUCTION IF PLANNED LOCATION OF NEW FORCE MAIN IS WITHIN 10' OF EXISTING WATER MAIN.

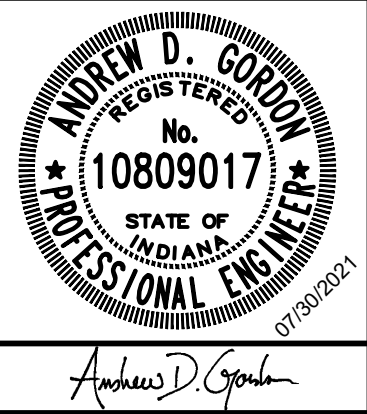
- KEYED NOTES
- (M) FORCE MAIN MARKER POST, CENTERED BETWEEN FORCE MAIN PIPES WHERE APPLICABLE
 - (D) ASPHALT PAVEMENT REPAIR
 - (F) CONCRETE PAVEMENT REPAIR
 - (N) CRUSHED STONE SURFACE REPAIR
 - (EB) EROSION CONTROL BLANKET
 - (SF) SILT FENCE OR FIBER FILTRATION TUBE



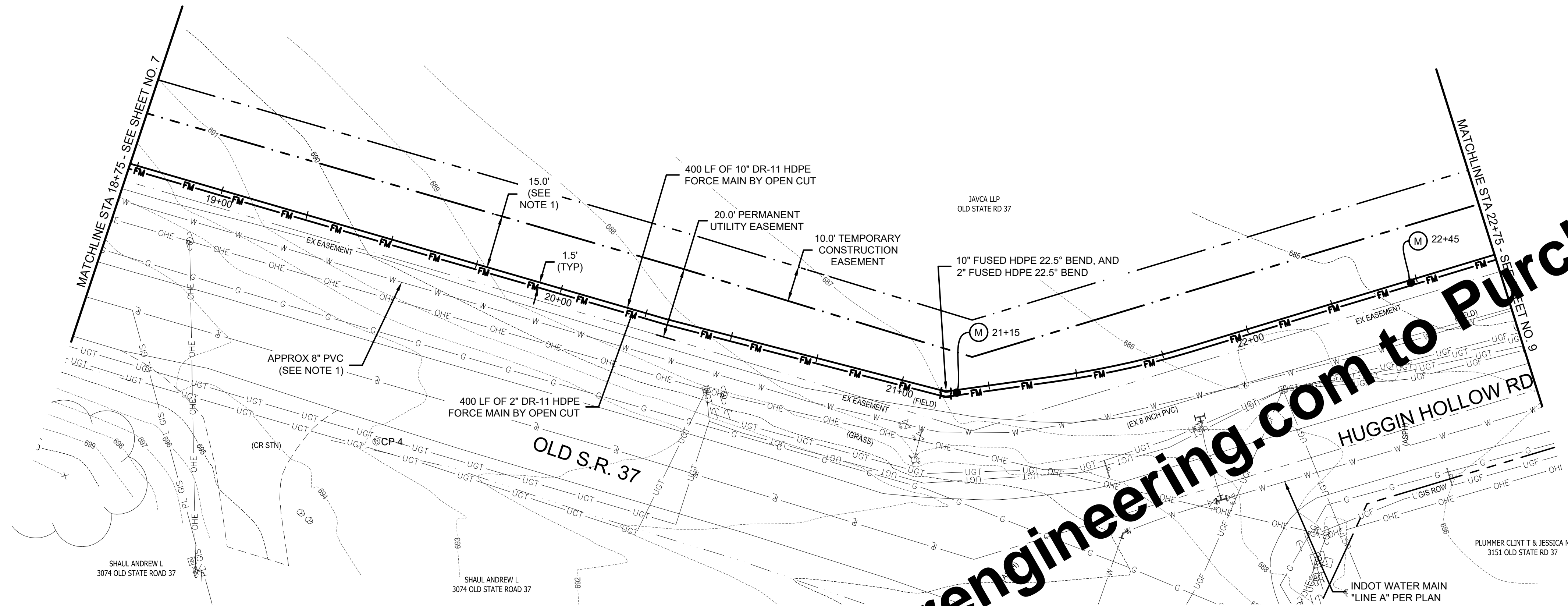
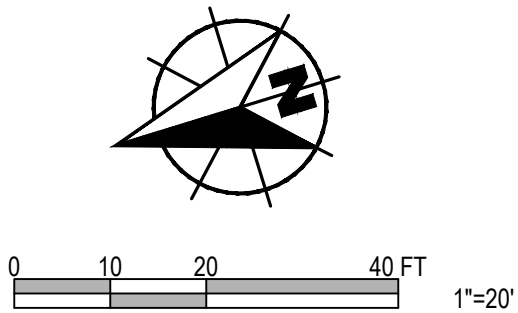
PROFILE NOTE:
ONLY THE 10" FORCE MAIN IS SHOWN IN PROFILE. CONSTRUCT 2" FORCE MAIN PARALLEL TO, AND AT THE SAME MINIMUM DEPTHS AS THE 10" FORCE MAIN

PROFILE - LINE A
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

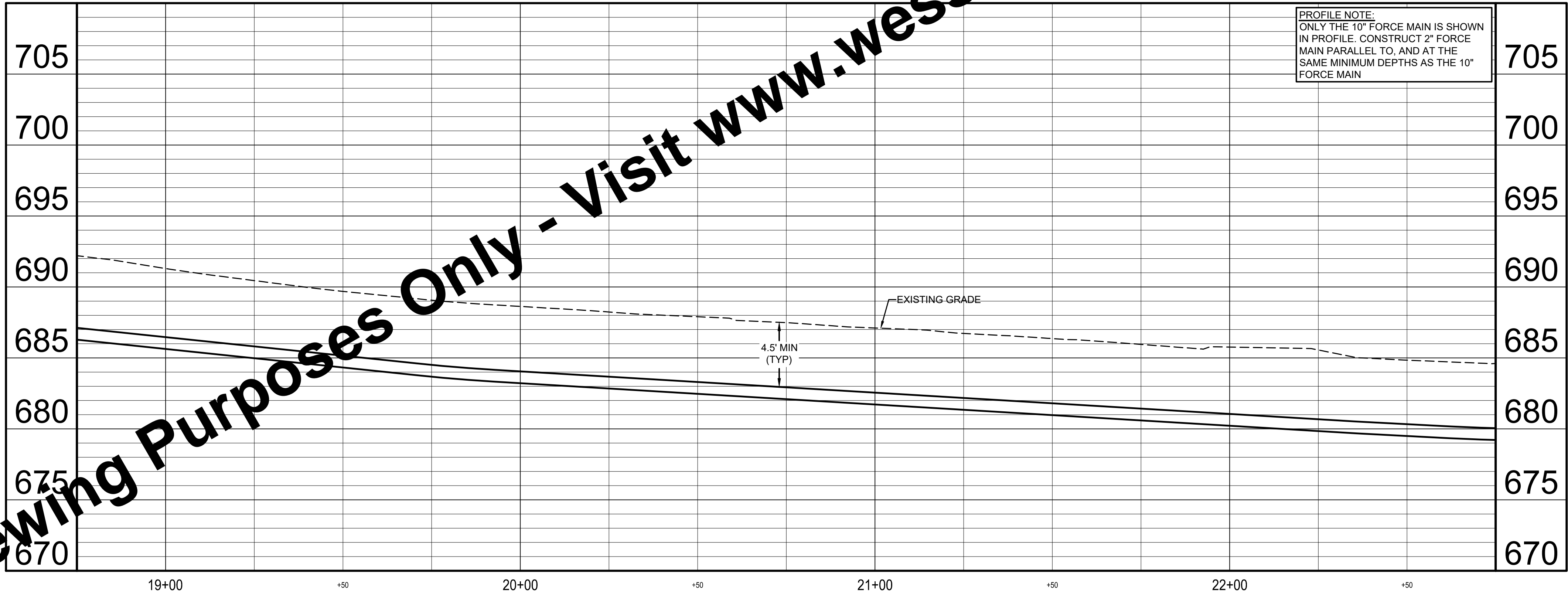
SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	DLL				
	APPROVED BY	ADG				
	ISSUE DATE					
	JULY 2021					
	PROJECT NUMBER	235721-04-004				



TRAVIS ROAD FORCE MAIN	SHEET NO. 7 TOTAL SHEETS 12
TOWN OF BARGERSVILLE, INDIANA	
PLAN AND PROFILE - LINE A 13+50 TO 18+75	



PLAN - LINE A
SCALE: 1" = 20'



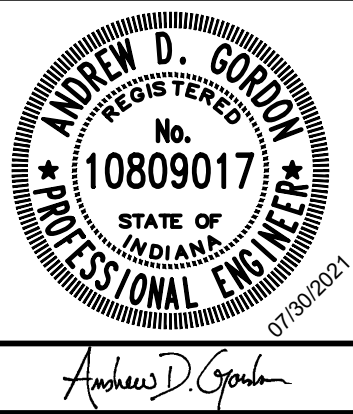
PROFILE - LINE A
HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

PROFILE NOTE:
ONLY THE 10" FORCE MAIN IS SHOWN
IN PROFILE. CONSTRUCT 2" FORCE
MAIN PARALLEL TO, AND AT THE
SAME MINIMUM DEPTHS AS THE 10"
FORCE MAIN

- KEYED NOTES
- (M) FORCE MAIN MARKER POST, CENTERED BETWEEN FORCE MAIN PIPES WHERE APPLICABLE
 - (D) ASPHALT PAVEMENT REPAIR
 - (F) CONCRETE PAVEMENT REPAIR
 - (N) CRUSHED STONE SURFACE REPAIR
 - (EB) EROSION CONTROL BLANKET
 - (SF) SILT FENCE OR FIBER FILTRATION TUBE

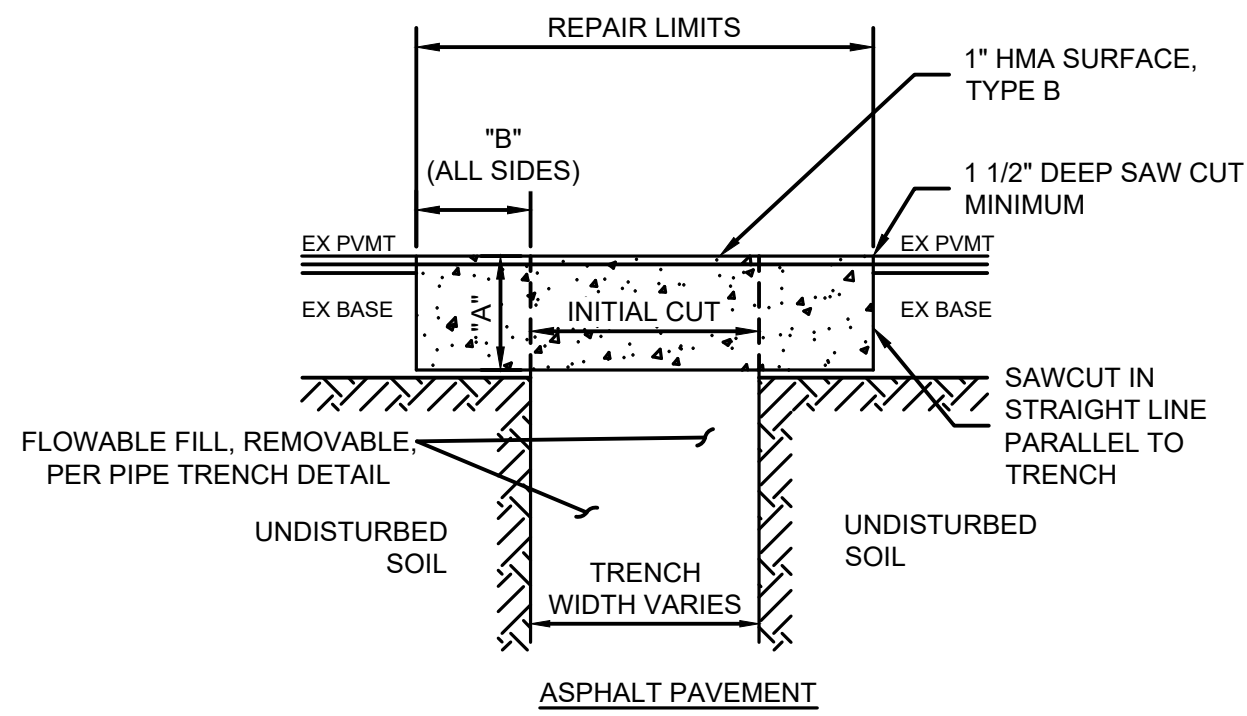
NOTES:
1. 8" PVC WATER MAIN ALONG OLD SR 37 HAS NOT BEEN FIELD LOCATED. CONTRACTOR TO FIELD LOCATE AND NOTIFY ENGINEER PRIOR TO CONSTRUCTION IF PLANNED LOCATION OF NEW FORCE MAIN IS WITHIN 10' OF EXISTING WATER MAIN.

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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		235721-04-004				



TRAVIS ROAD FORCE MAIN
TOWN OF BARGERSVILLE, INDIANA
PLAN AND PROFILE - LINE A
18+75 TO 22+75

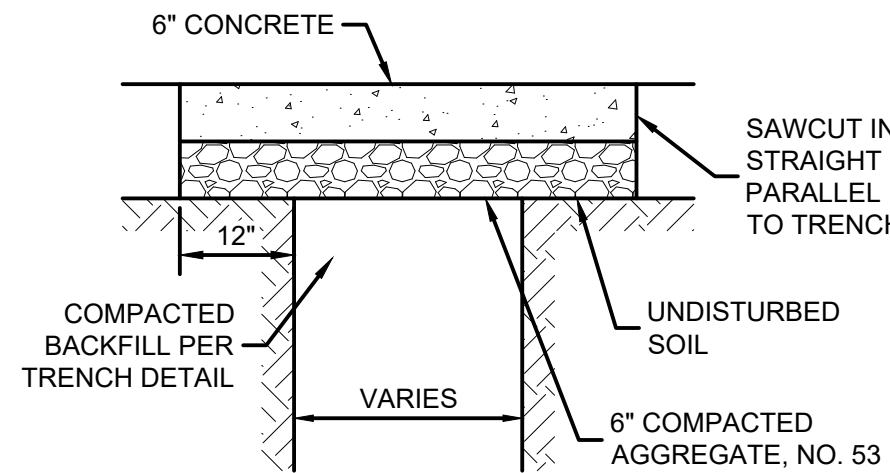
SHEET NO.
8
TOTAL SHEETS
12



- NOTES:
- "A" = 8" MINIMUM CONCRETE THICKNESS.
- "B" = 8" WHEN TRENCH WIDTH IS TWO (2'-0") FEET WIDE OR LESS.
- "B" = 12" WHEN TRENCH WIDTH IS OVER TWO (2'-0") FEET WIDE OR MORE.
- ALL MATERIALS SHALL COMPLY WITH INDOT SPECIFICATIONS.
 - SURFACE OF REPAIR SHALL BE BROOM FINISHED AT RIGHT ANGLES TO TRAFFIC FLOW.
 - ALL CONCRETE SHALL BE INDOT CLASS "A".
 - SURFACE OF CONCRETE SHALL BE TACK COATED BEFORE APPLICATION OF ASPHALT SURFACE.

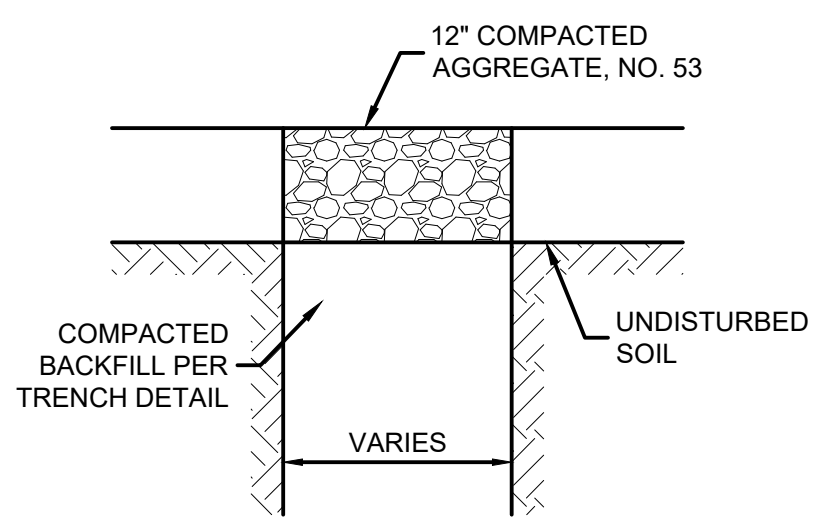
D ASPHALT PAVEMENT REPAIR

SCALE: NONE



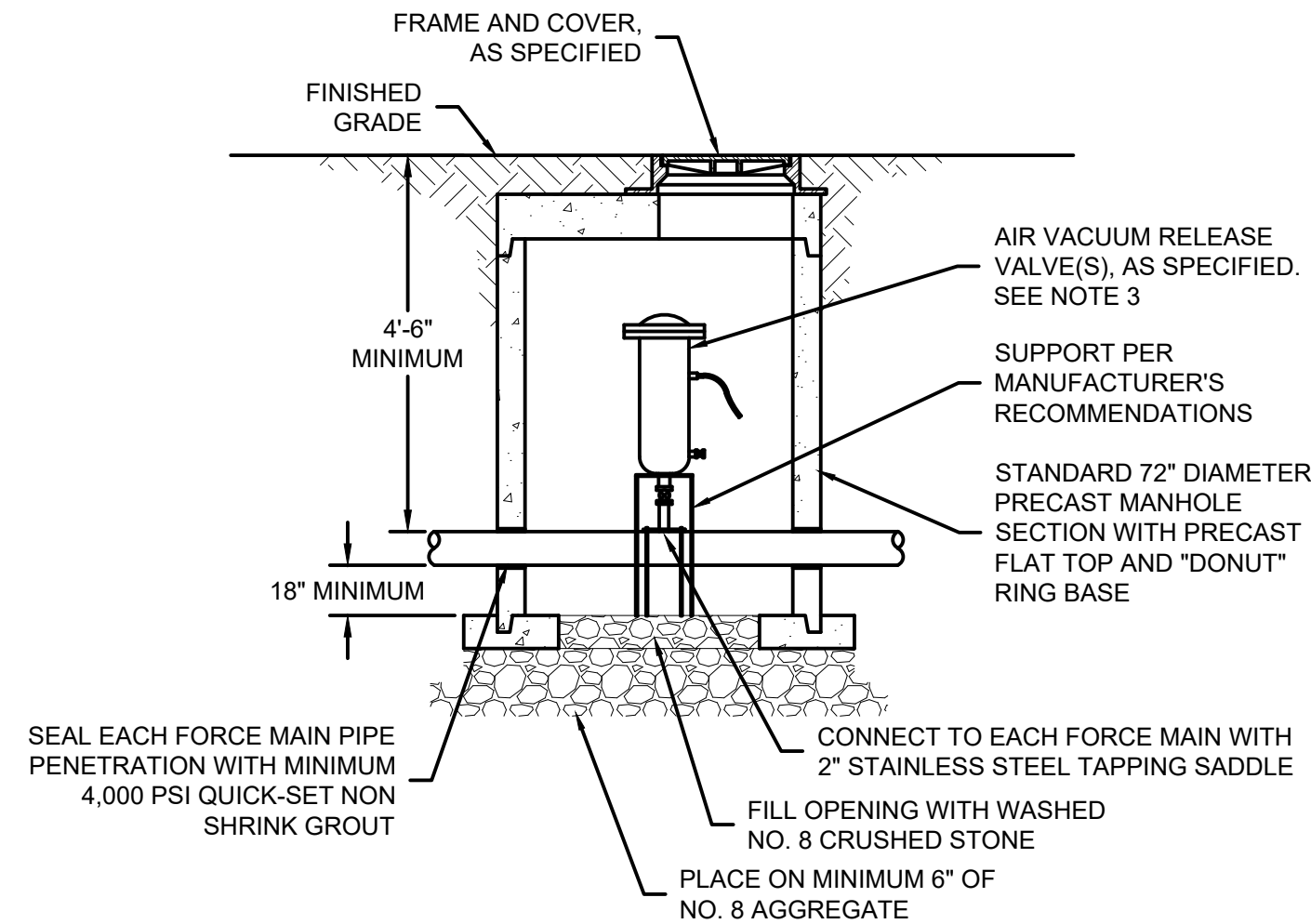
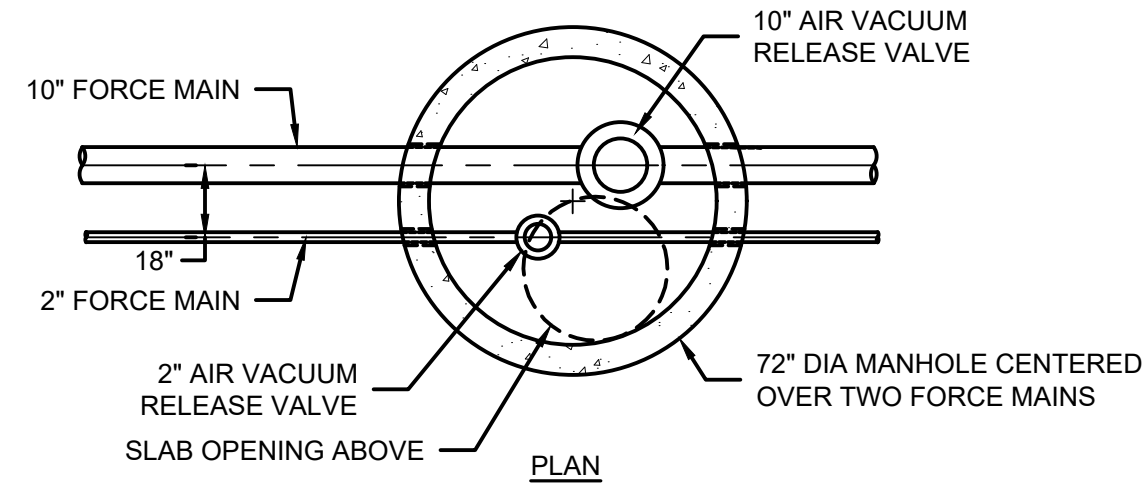
F CONCRETE PAVEMENT REPAIR

SCALE: NONE



N CRUSHED STONE SURFACE REPAIR

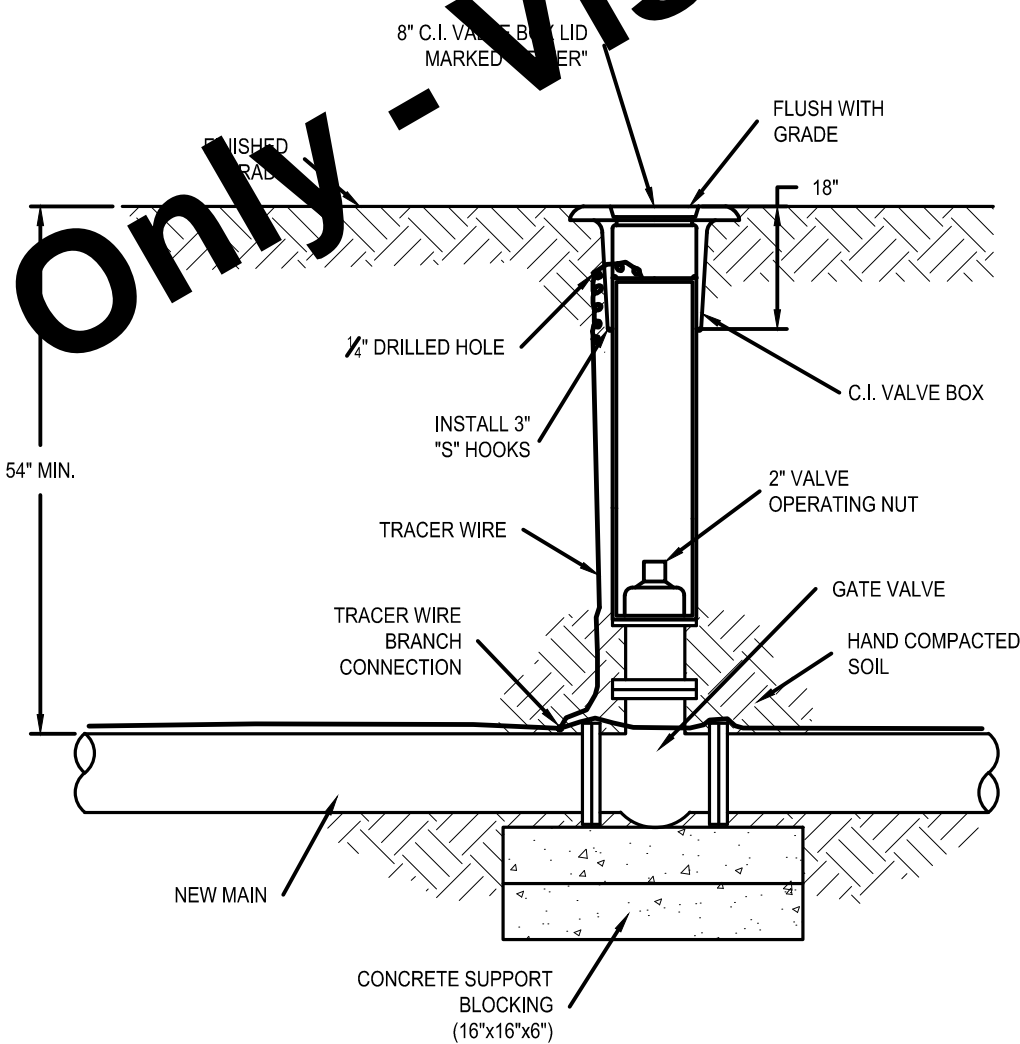
SCALE: NONE



- NOTES:
- THE CONTRACTOR SHALL DETERMINE THE REQUIRED FORCE MAIN DEPTH AT THE STRUCTURE TO ENSURE THAT THE VALVE VAULT STRUCTURE DOES NOT EXTEND ABOVE FINISHED GRADE.
 - LOCATION OF AIR/VACUUM RELEASE STRUCTURES ARE APPROXIMATE. THE FINAL LOCATION TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT THE HIGH ELEVATION POINT OF THE FORCE MAIN.
 - INSTALL 10" AND 2" AIR VACUUM RELEASE VALVES WITHIN THE SAME STRUCTURE.

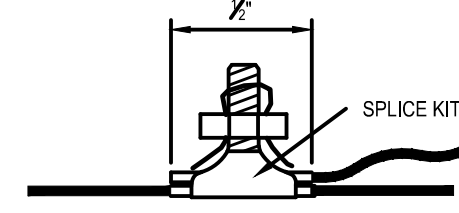
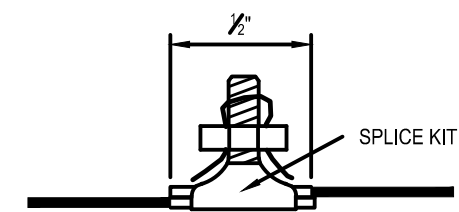
AIR/VACUUM RELEASE VALVE AND ARV MANHOLE

SCALE: NONE



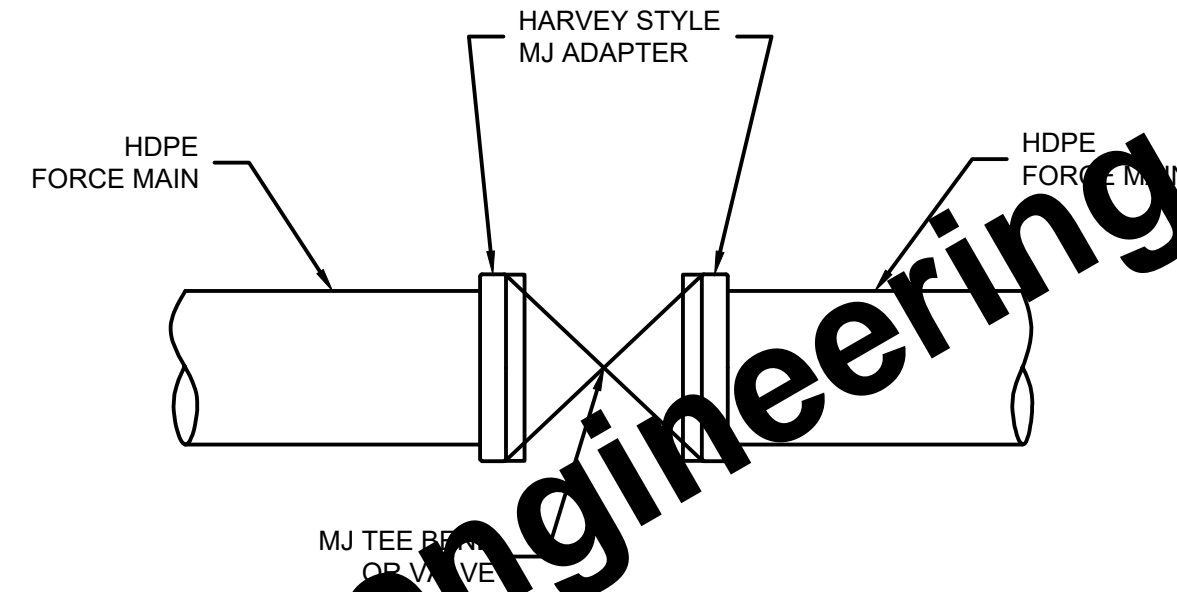
GATE VALVE

SCALE: NONE



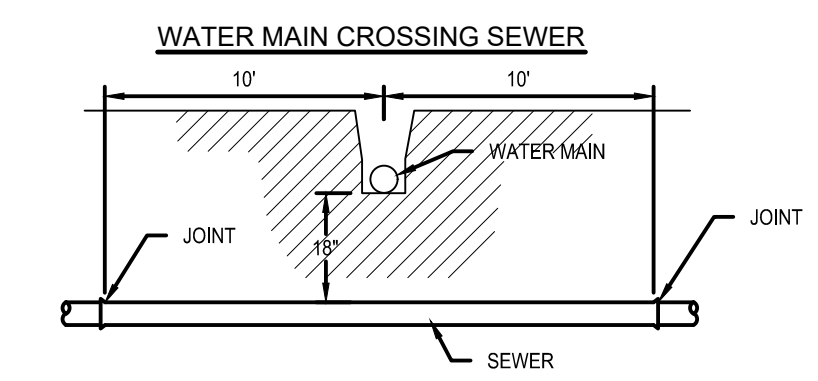
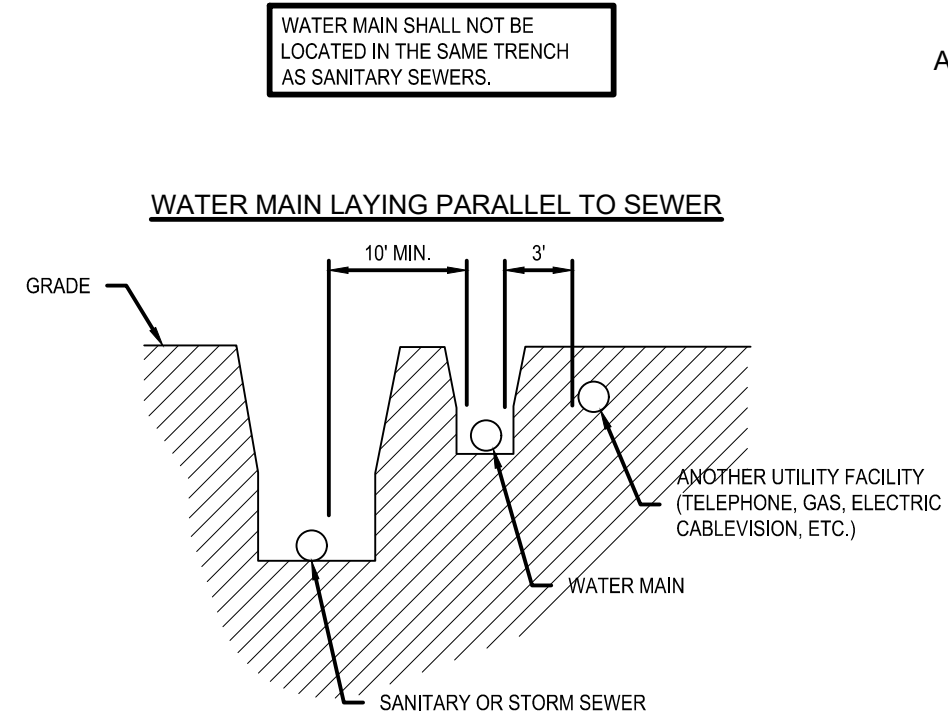
TRACER WIRE BOLTED CONNECTION

SCALE: NONE



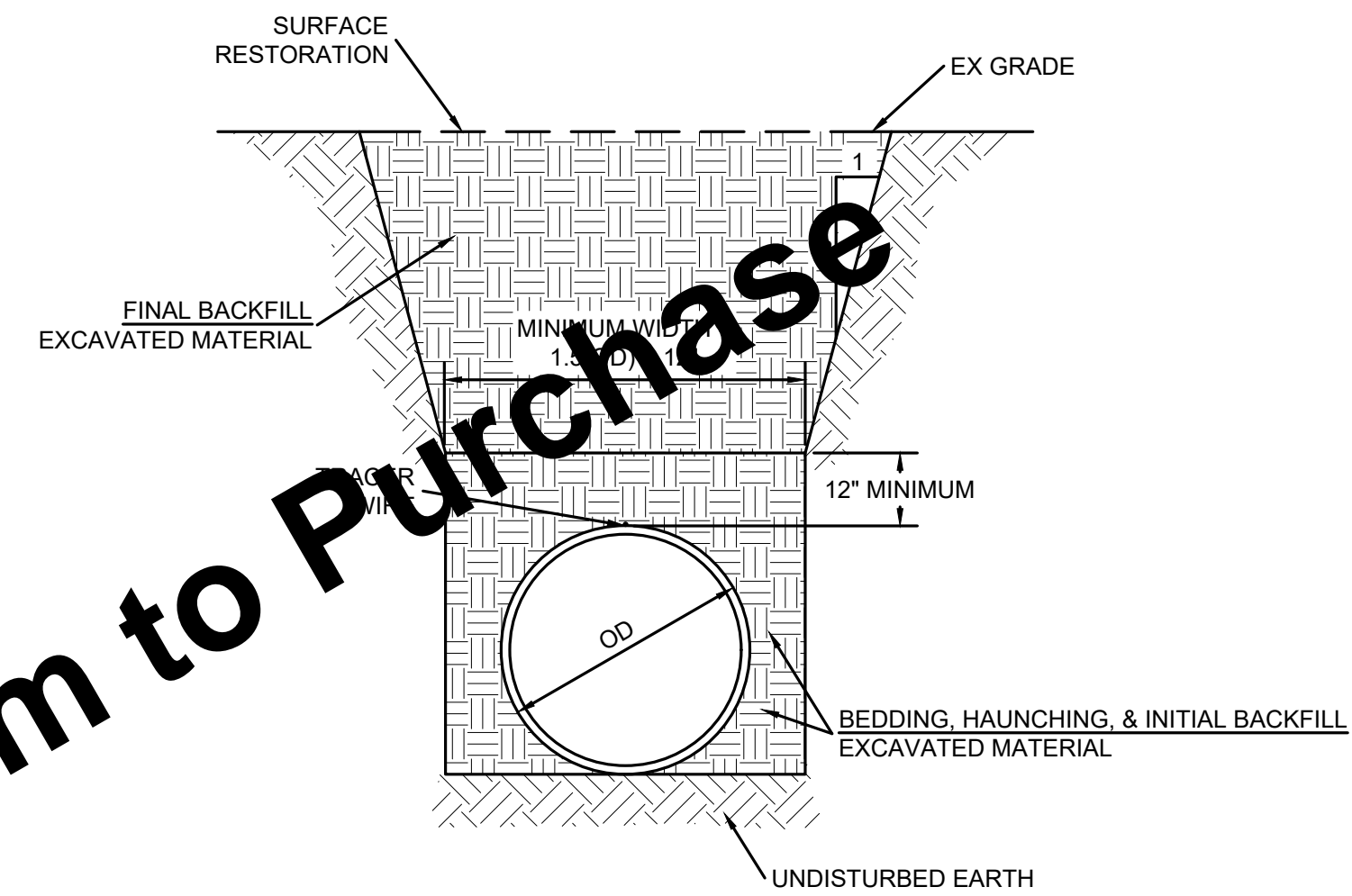
PIPE FITTING TRANSITION

SCALE: NONE



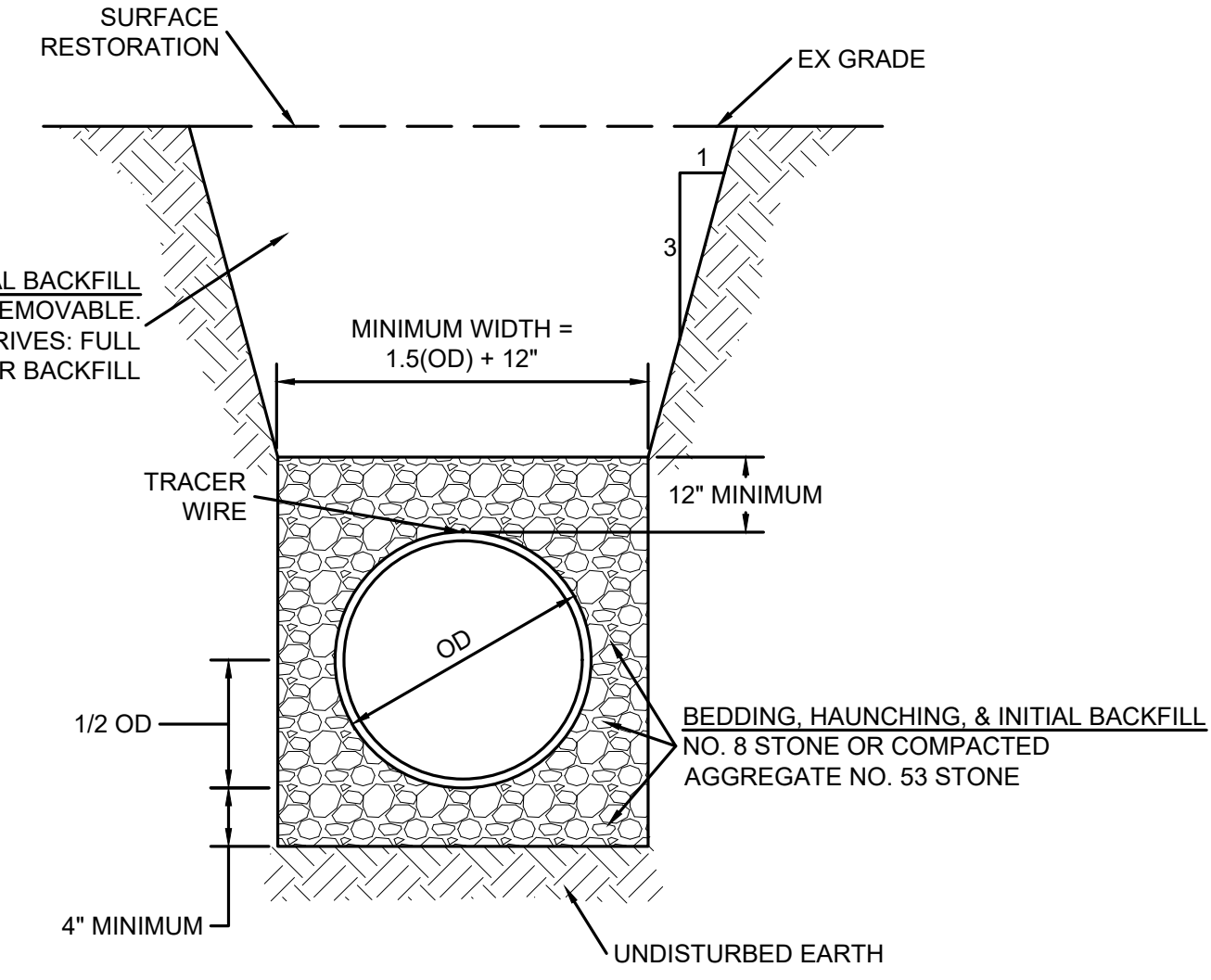
WATER MAIN & SEWER SEPARATION

SCALE: NONE



FLEXIBLE (HDPE PVC) PIPE TRENCH (OUTSIDE PAVEMENT LOADING ZONE)

SCALE: NONE



FLEXIBLE (HDPE PVC) PIPE TRENCH (INSIDE PAVEMENT LOADING ZONE)

SCALE: NONE

TRAVIS ROAD FORCE MAIN

TOWN OF BARGERSVILLE, INDIANA

MISCELLANEOUS DETAILS

SHEET NO.

10

TOTAL SHEETS

12

SCALE VERIFICATION	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	APPROVED BY	ADG				
	ISSUE DATE					
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	PROJECT NUMBER					
		235721-04-004				



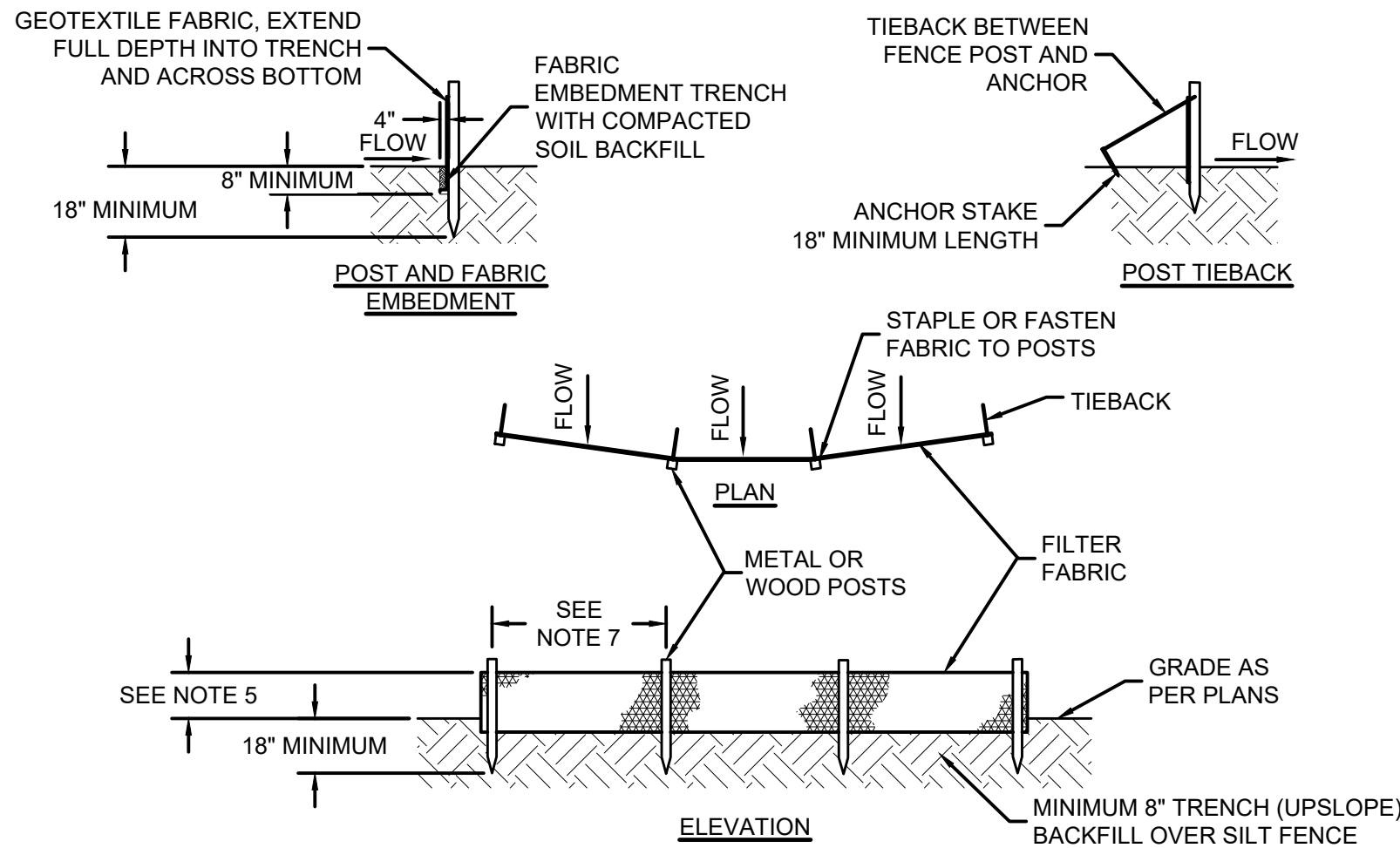
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WESSLER

ENGINEERING

More than a Project™

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- NOTES:**
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF WOVEN OR NON-WOVEN GEOTEXTILE FABRIC AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
a. TEXTILE STRENGTH AT 20% (MAXIMUM) ELONGATION, PER ASTM D4632.
b. WOVEN EXTRA STRENGTH - 50 LB/LINEAR INCH (MINIMUM), NON-WOVEN EXTRA STRENGTH - 70 LB/INCH (MINIMUM).
c. WOVEN STANDARD STRENGTH - 30 LB/LINEAR INCH (MINIMUM), NON-WOVEN STANDARD STRENGTH - 50 LB/INCH (MINIMUM).
d. APPARENT OPENING SIZE (AOS) (U.S. SIEVE) - NO. 30 PARTICLE SIZE OF 0.6 mm (MAXIMUM), ASTM D4751.
e. PERMITTIVITY - 0.05 S" (MAXIMUM), ASTM D4491.
 2. POSTS FOR SILT FENCES SHALL BE EITHER 2"x2" SQUARE WOOD OR EQUIVALENT METAL POSTS WITH A MINIMUM LENGTH OF 5'. METAL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
 3. ANCHOR STAKES FOR SILT FENCES SHALL BE 1"x2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 18".
 4. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42" IN HEIGHT, A MINIMUM OF 14 GAUGE, AND SHALL HAVE A MAXIMUM MESH SPACING OF 6".
 5. THE HEIGHT OF THE BARRIER SHALL BE A MINIMUM OF 18" AND A MAXIMUM OF 30".
 6. THE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER FABRIC SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, AND SECURELY SEALED.
 7. POSTS SHALL BE SPACED A MAXIMUM OF 6' APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 18"). WHEN STANDARD STRENGTH FABRIC IS USED WITH THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 8'.
 8. THE SPACING OF TIEBACKS SHALL EQUAL THE SPACING OF THE POSTS. ADDITIONAL POST DEPTH OR TIEBACKS MAY BE REQUIRED IN UNSTABLE SOILS.
 9. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE AND A MINIMUM OF 8" DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
 10. WHEN STANDARD STRENGTH FILTER FABRIC IS USED WITH A WIRE MESH SUPPORT FENCE IT SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY 1" WIRE STAPLES, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 1" AND SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
 11. THE STANDARD STRENGTH FILTER FABRIC, WITHOUT A WIRE MESH SUPPORT FENCE, SHALL BE STAPLED OR WIRED TO THE FENCE, AND A MINIMUM 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. DO NOT STAPLE FILTER FABRIC TO EXISTING TREES.
 12. WHEN EXTRA STRENGTH FILTER FABRIC OR BURLAP OR POST SPACING IS LESS THAN THE MAXIMUM SPACING OF 6', THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED.
 13. BACKFILL THE TRENCH AND COMPACT THE SOIL OVER THE FILTER FABRIC.
 14. REMOVE SILT FENCES WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 15. SILT FENCE SHALL NOT BE USED AS A DIVERSION AND SHALL NOT BE INSTALLED ACROSS A STREAM, CHANNEL, DITCH, SWALE, ETC.
- MAINTENANCE:**
1. INSPECT AFTER EACH RAINFALL AND DAILY DURING PROLONGED RAINFALL. INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 2. REPLACE OR REPAIR FABRIC IMMEDIATELY IF IT DECOMPOSES OR BECOMES WEARIED.
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THE FENCE MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
 4. SPREAD ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED AND DRESS TO CONFORM WITH THE FINISHED GRADING.

SILT FENCE
SCALE: NONE

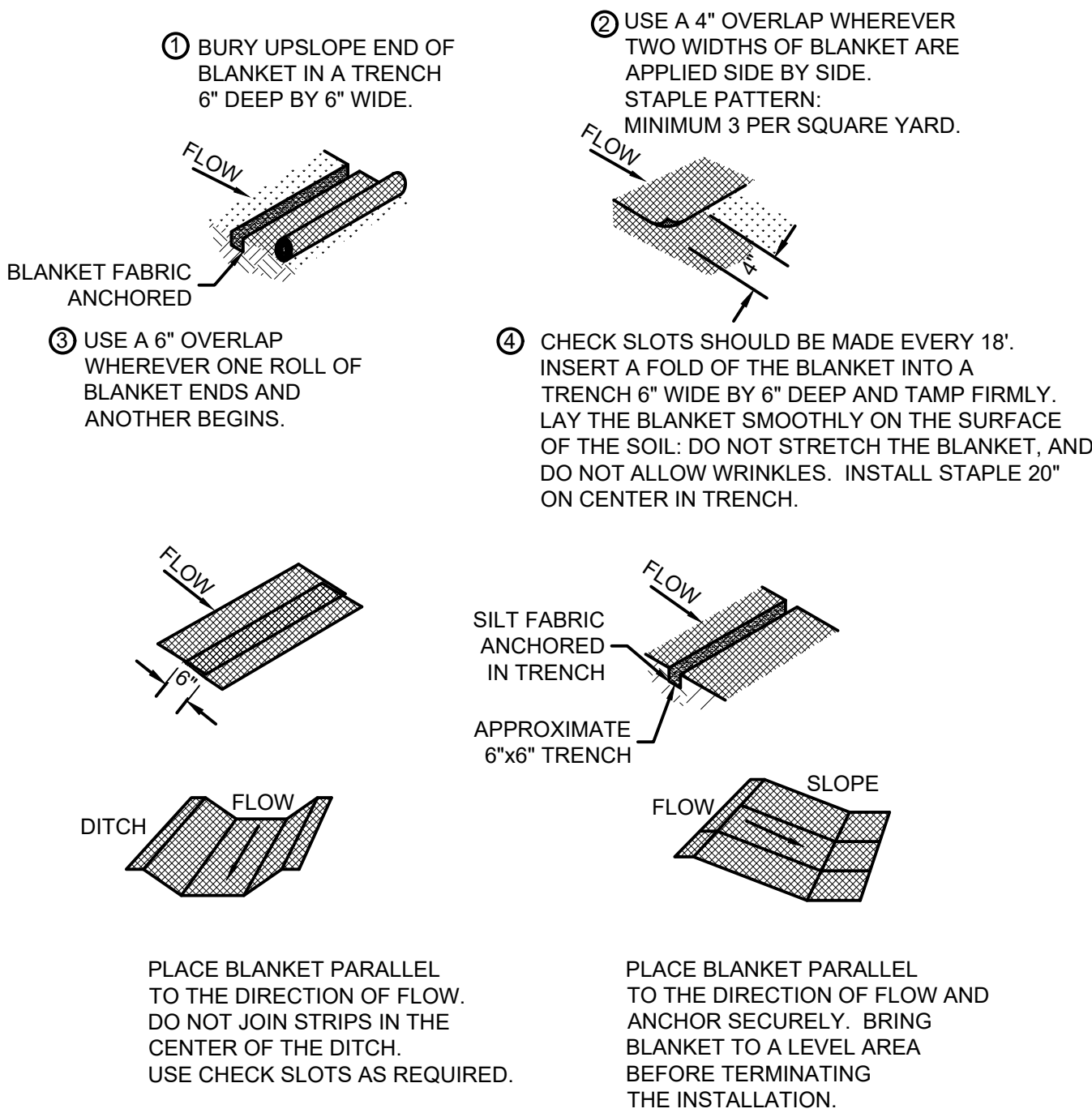
EROSION CONTROL SCHEDULE	
CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
NOTIFY THE STORMWATER AUTHORITY WITHIN 48 HOURS PRIOR TO STARTING CONSTRUCTION. POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE. INCLUDE A COPY OF THE NOTICE OF INTENT (NOI) AND THE ONSITE PERSON WHO IS RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHOULD BE ONSITE AND WEEKLY SITE INSPECTION REPORTS MUST BE AVAILABLE WITHIN 48 HOURS OF REQUEST.	WITHIN 48 HOURS PRIOR TO STARTING CONSTRUCTION.
CONSTRUCTION ACCESS - ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING OR MATERIAL STAGING.	THIS IS THE FIRST LAND-DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY EXPOSED AREAS WITH AGGREGATE AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SILT FENCE.	AFTER CONSTRUCTION IS ACCESSED, BASINS SHALL BE INSTALLED, WITH THE ADDITION OF MORE TRAPS AND BARRIERS AS NEEDED DURING GRADING.
RUNOFF CONTROL - DIVERSIONS, PERIMETER PROTECTION, CHECKS, SLOPE, OUTLET PROTECTION.	RUNOFF CONTROL PRACTICES SHALL BE INSTALLED AFTER THE INSTALLATION OF SEDIMENT TRAPS AND BEFORE LAND GRADING. ADDITIONAL RUNOFF CONTROL MEASURES MAY BE INSTALLED DURING GRADING.
RUNOFF CONVEYANCE SYSTEM - STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.	AS NECESSARY, STABILIZE STREAM BANKS AND SIDE SLOPES OF RUNOFF SYSTEMS AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKETS OR SLOPE DRAINS TO PREVENT EROSION. INSTALL INLET PROTECTION TO PREVENT SEDIMENTS FROM ENTERING STORM DRAINAGE SYSTEMS. PROTECT STORM OUTLETS TO PREVENT EROSION.
LAND CLEARING AND GRADING - SITE PREPARATION (CUTTING, FILLING, AND GRADING), SEDIMENT TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING).	IMPLEMENT CLEARING AND GRADING AFTER INSTALLATION OF SEDIMENT TRAPS AND RUNOFF CONTROL MEASURES, AND INSTALL ADDITIONAL CONTROL MEASURES AS GRADING CONTINUES. CLEAR BORROW AND DISPOSAL AREAS AS NEEDED, AND MARK TREES AND BUFFER AREAS FOR PRESERVATION.
SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP, EROSION CONTROL BLANKET.	APPLY TEMPORARY OR PERMANENT STABILIZING MEASURES IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN EITHER COMPLETED OR DELAYED.
CONSTRUCTION - STRUCTURES, UTILITIES, PAVING.	DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.
LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.	THIS IS THE LAST CONSTRUCTION PHASE. STABILIZE ALL DISTURBED AREAS, INCLUDING BORROW AND SPOIL AREAS, AND REMOVE ALL TEMPORARY CONTROL MEASURES. A UNIFORM DENSITY OF 70% VEGETATED COVER IS REQUIRED.

EROSION CONTROL SCHEDULE
SCALE: NONE

SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			A									
DORMANT SEEDING	B									D		
TEMPORARY SEEDING			C					E		D		
SODDING			F									
MULCHING						G						

- A. = KENTUCKY BLUEGRASS 40 LB/ACRE
B. = KENTUCKY BLUEGRASS 210 LB/ACRE
C. = SPRING OATS 100 LB/ACRE (1" PLANTING DEPTH)
D. = WHEAT OR RYE 150 LB/ACRE (1" PLANTING DEPTH)
E. = ANNUAL RYEGRASS 40 LB/ACRE (1" PLANTING DEPTH)
F. = SOD
G. = ANCHORED STRAW (2 TONS/ACRE) OR WOOD FIBER/CELLULOSE (1 TON/ACRE)


- NOTES:**
1. IRRIGATION NEEDED DURING MAY THROUGH SEPTEMBER.
 2. IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.
 3. ANCHORED MULCH IS REQUIRED FOR PERMANENT, DORMANT AND TEMPORARY SEEDING.
 4. MINIMUM SEEDING DATES PROVIDED. DATES MAY BE EXTENDED OR SHORTENED BASED ON PROJECT LOCATION.
 5. SEED MIXTURES PROVIDED FOR LAWNS AND HIGH MAINTENANCE AREAS.
- MAINTENANCE:**
1. INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 2. CHECK FOR EROSION AND MOVEMENT OF MULCH AND REPAIR IMMEDIATELY.
 3. MONITOR FOR EROSION DAMAGE AND ADEQUATE COVER (70% DENSITY).
 4. RESEED, FERTILIZE OR APPLY MULCH WHERE NECESSARY.

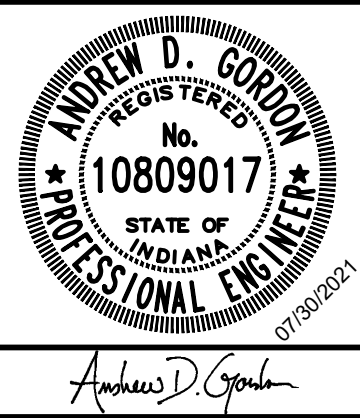


- PRODUCT:**
1. NORTH AMERICAN GREEN SC150, OR EQUAL.
- NOTES:**
1. PROTECT THE SLOPES WITH AN EROSION CONTROL BLANKET WHERE CONSTRUCTION DISTURBS SLOPES EQUAL OR STEEPER THAN 3:1.
- MAINTENANCE:**
1. INSPECT FOR EROSION AFTER EACH STORM EVENT DURING VEGETATION ESTABLISHMENT, AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
 2. IF ANY AREAS SHOW EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE THE BLANKET.
 3. CHECK AREAS PERIODICALLY AFTER VEGETATION ESTABLISHMENT.

EROSION CONTROL BLANKET
SCALE: NONE

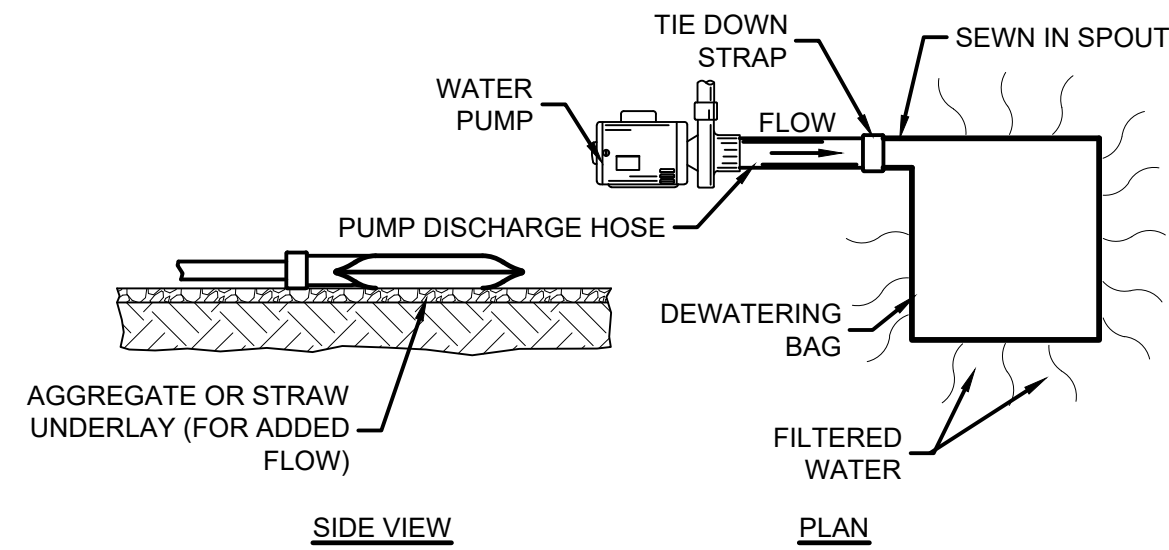
For Viewing Purposes Only - Visit www.wesslerengineering.com

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
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	PROJECT NUMBER	235721-04-004				



TRAVIS ROAD FORCE MAIN	
TOWN OF BARGERSVILLE, INDIANA	
EROSION CONTROL DETAILS	

SHEET NO.
11
TOTAL SHEETS
12

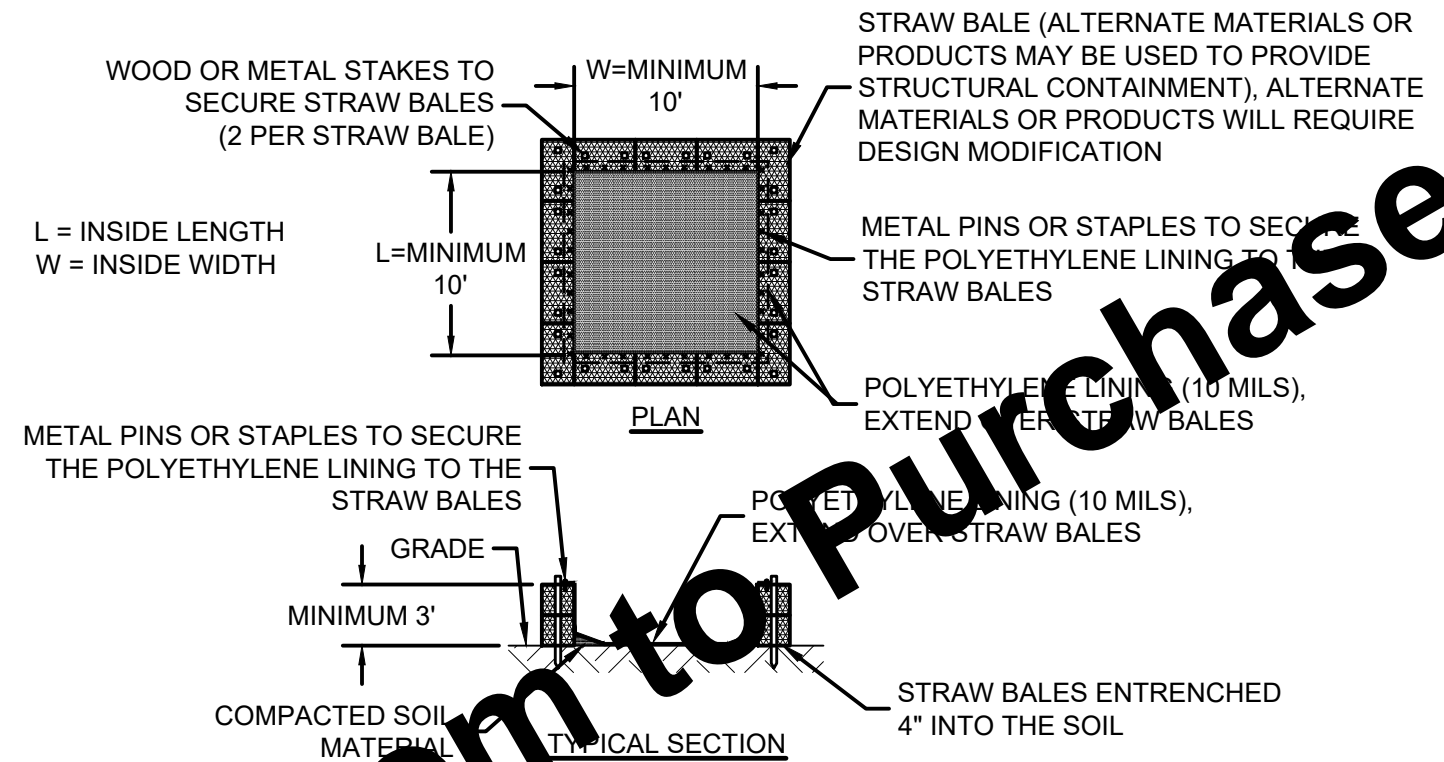


MECHANICAL PROPERTIES	TEST METHOD	UNITS	INDUSTRY STANDARD
GRAB TENSILE STRENGTH	ASTM D4632	kN (LB)	0.9 (205) X 0.9 (205)
GRAB TENSILE ELONGATION	ASTM D4632	%	50 X 50
PUNCTURE STRENGTH	ASTM D4833	kN (LB)	0.58 (130)
MULLEN BURST STRENGTH	ASTM D3786	kPa (PSI)	2618 (380)
TRAPEZOID TEAR STRENGTH	ASTM D4533	kN (LB)	0.36 (80) X 0.36 (80)
UV RESISTANCE	ASTM D4355	%	70
APPARENT OPENING SIZE	ASTM D4751	Mm (US STD SIEVE)	0.180 (80)
FLOW RATE	ASTM D4491	1/MIN/M² (GAL/MIN/FT²)	3866 (95)
PERMITTIVITY	ASTM D4491	S ⁻¹	1.2

MAINTENANCE:

1. DURING THE ACTIVE DEWATERING PROCESS, INSPECTION OF THE PUMPING BAG SHOULD BE REVIEWED FREQUENTLY. SPECIAL ATTENTION SHOULD BE PAID TO THE BUFFER AREA FOR ANY SIGN OF EROSION AND CONCENTRATION OF FLOW. OBSERVE WHERE POSSIBLE THE VISUAL QUALITY OF THE EFFLUENT AND DETERMINE IF ADDITIONAL TREATMENT CAN BE PROVIDED.
2. DISPOSE OF ACCUMULATED SEDIMENT REMOVED DURING PUMPING OPERATIONS IN CONFORMANCE WITH THE SPECIFICATIONS.
3. REPLACE THE BAG OR DISPOSE OF SILT WHEN HALF FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE TO AN IMPRACTICAL RATE.

SOURCE:
KRISTAR
DANDY DEWATERING BAG
SEDCATCH



NOTES:

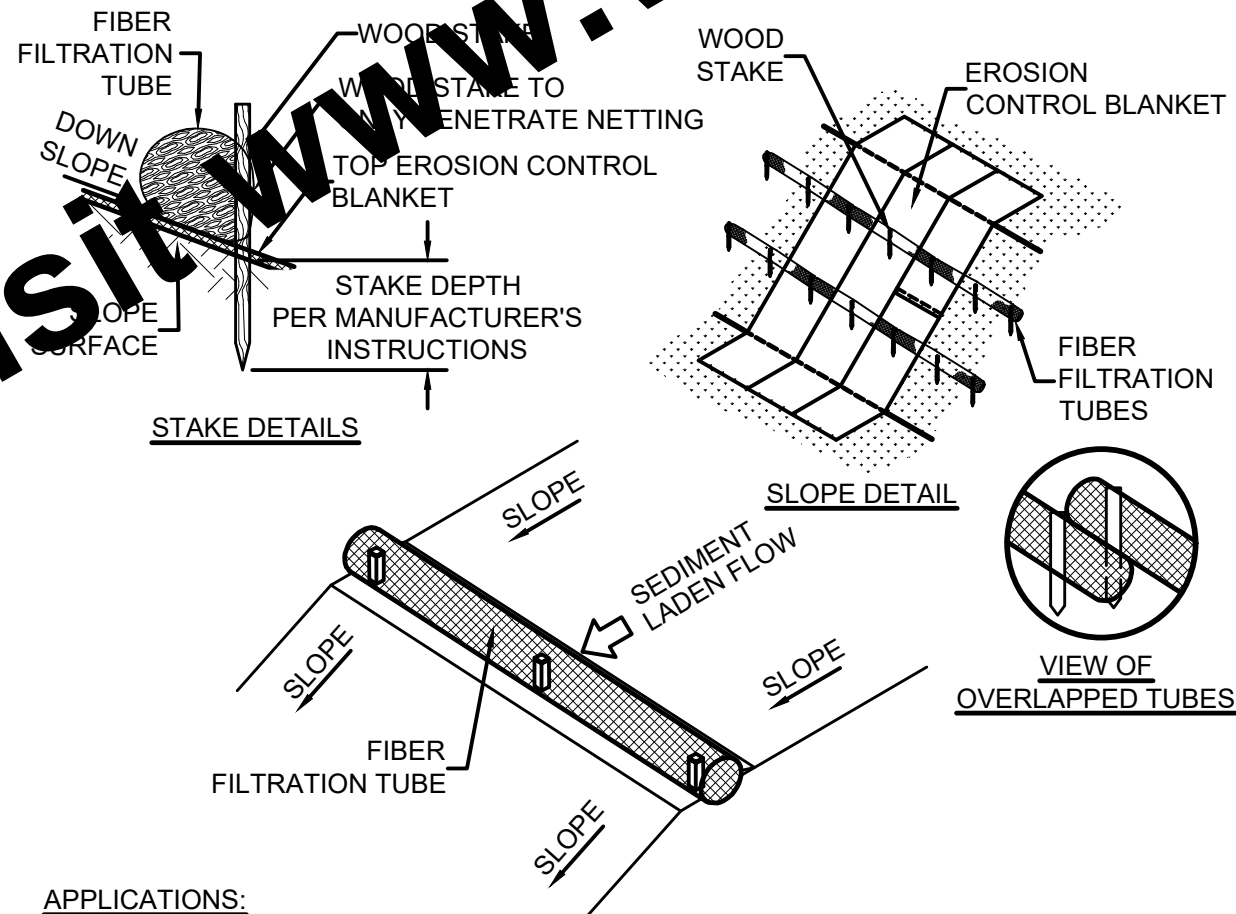
1. LOCATE WASHOUTS AT LEAST 50' FROM ANY CREEKS, WETLANDS, DITCHES, KARST FEATURES, OR STORM DRAIN/CONCRETE.
2. DO NOT LEAVE WASH MUD IN THE CHUTES OR HOPPER AFTER POURING CONCRETE. MAKE EVERY EFFORT TO EMPTY THE CHUTE AND HOPPER AT THE POUR. THE LESS MATERIAL LEFT IN THE CHUTES AND HOPPER, THE QUICKER AND EASIER THE CLEANOUT. SMALL AMOUNTS OF EXCESS CONCRETE (NOT WASHOUT WATER) MAY BE DISPOSED OF IN AREAS THAT WILL NOT FLOW TO AN AREA THAT IS TO BE PROTECTED.
3. SCRAPE AS MUCH MATERIAL FROM THE CHUTES AS POSSIBLE BEFORE WASHING THEM. USE NON-WATER CLEANING METHODS TO MINIMIZE THE CHANCE FOR WASTE TO FLOW OFF SITE.
4. STOP WASHING OUT IN AN AREA IF YOU OBSERVE WATER RUNNING OFF THE DESIGNATED AREA OR IF THE WATER IS NOT BEING CONTAINED WITHIN THE WASHOUT AREA.
5. DO NOT BACK FLUSH EQUIPMENT AT THE PROJECT SITE.
6. DO NOT USE ADDITIVES WITH WASH WATER.
7. DO NOT WASH OUT OR DRAIN WASTE WATERS TO STORM DRAINS, WETLANDS, STREAMS, RIVERS, CREEKS, DITCHES OR STREETS.

MAINTENANCE:

- ## 1. MAINTENANCE REQUIREMENTS PROVIDED IN SPECIFICATIONS.

PUMPING BACK

SCALE: NONE



APPLICATIONS

1. TOP OF SLOPES.
2. AT PROJECT PERIMETER.

INSTALLATION:

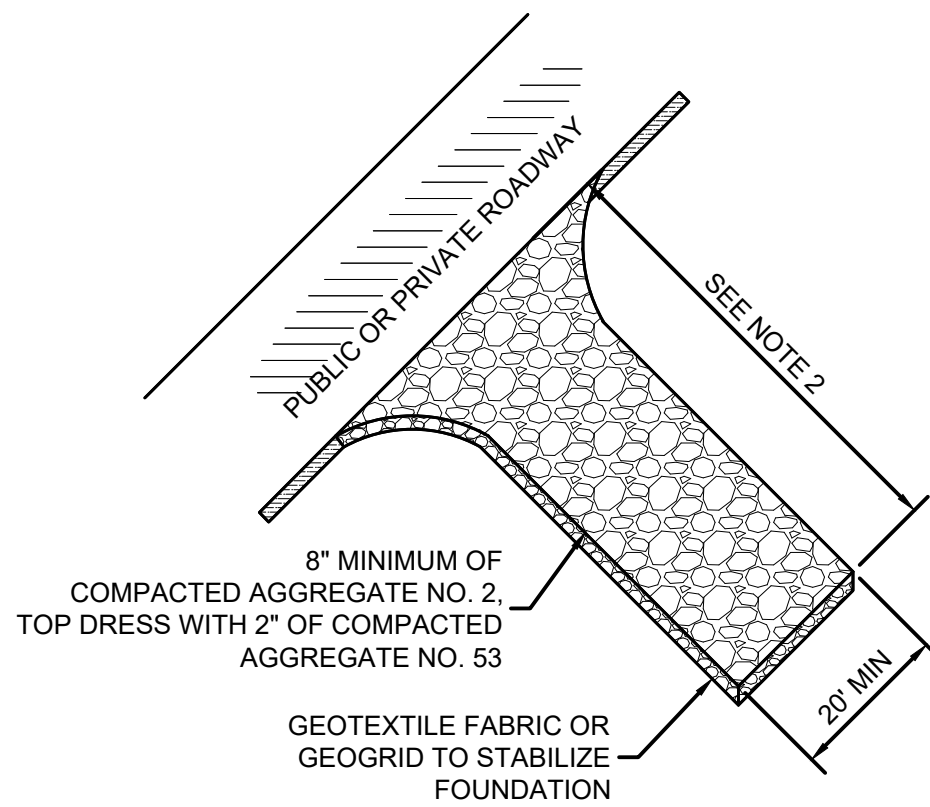
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. USE THE APPROPRIATE SIZE, LENGTH AND DISTANCE BETWEEN TUBES AS SPECIFIED BY THE MANUFACTURER.
3. ENTRENCH PER MANUFACTURER'S INSTRUCTIONS.

MAINTENANCE:

1. REMOVE ALL ACCUMULATED SEDIMENT WHEN IT REACHES 1/4 THE HEIGHT OF THE TUBE.
2. REPAIR ERODED AND DAMAGED AREAS.
3. IF PONDING BECOMES EXCESSIVE DUE TO REDUCED FILTERING CAPACITY, REMOVE THE TUBE AND EITHER RECONSTRUCT OR REPLACE WITH NEW PRODUCT.
4. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.

FIBER FILTRATION TUBES - SLOPE

SCALE: NONE



NOTES:

1. PLACE CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS AND AT ALL TEMPORARY CONSTRUCTION DRIVES THAT ARE INSTALLED.
2. FOR LARGE SITES (2 ACRES OR LARGER) THE MINIMUM LENGTH IS 150'. FOR SMALLER SITES (LESS THAN 2 ACRES) THE MINIMUM LENGTH IS 50'.
3. PROVIDE CULVERT OR OTHER METHODS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.

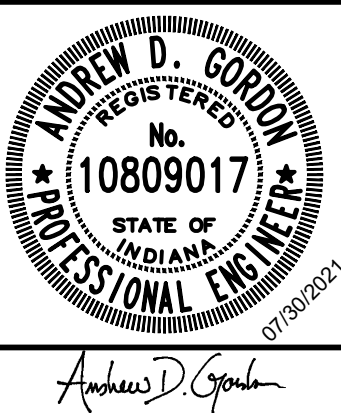
MAINTENANCE:

1. INSPECT DAILY AND REPLACE DISPLACED STONE.
2. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED ONTO ADJACENT ROADWAY.
3. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
4. AT COMPLETION OF PROJECT COMPLETELY REMOVE AND RESTORE SITE TO ORIGINAL CONDITIONS, OR AS APPLICABLE USE FOR BASE OF NEW PERMANENT DRIVE, MAINTAINING DESIGN ELEVATIONS AND SECTION.

CONSTRUCTION ENTRANCE

SCALE: NONE

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING <div style="background-color: black; width: 100px; height: 15px; margin: 10px auto;"></div>	DRAWN BY	MRE	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	DLL				
	APPROVED BY	ADG				
	ISSUE DATE					
	JULY 2021					
	PROJECT NUMBER					
	235721-04-004					



TRAVIS ROAD FORCE MAIN

TOWN OF BARGERSVILLE, INDIANA

EROSION CONTROL DETAILS

SHEET NO.

12

TOTAL SHEETS

12