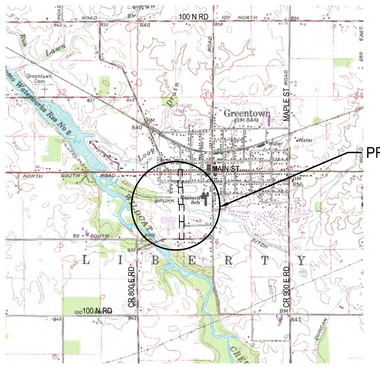
HARRISON STREET RECONSTRUCTION
FOR THE
TOWN OF GREENTOWN, INDIANA



GREENTOWN
VICINITY MAP
SCALE: NONE

STATE LOCATION MAP
SCALE: NONE

WESSLER
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INDIANAPOLIS
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PROJECT NO. 200717-04-001

DRAWINGS PREPARED FOR:

TOWN COUNCIL

SCOTT DEYOE, PRESIDENT

TODD EVERLING, VICE PRESIDENT

MARK LANTZ, MEMBER

RAY MUMAW, MEMBER

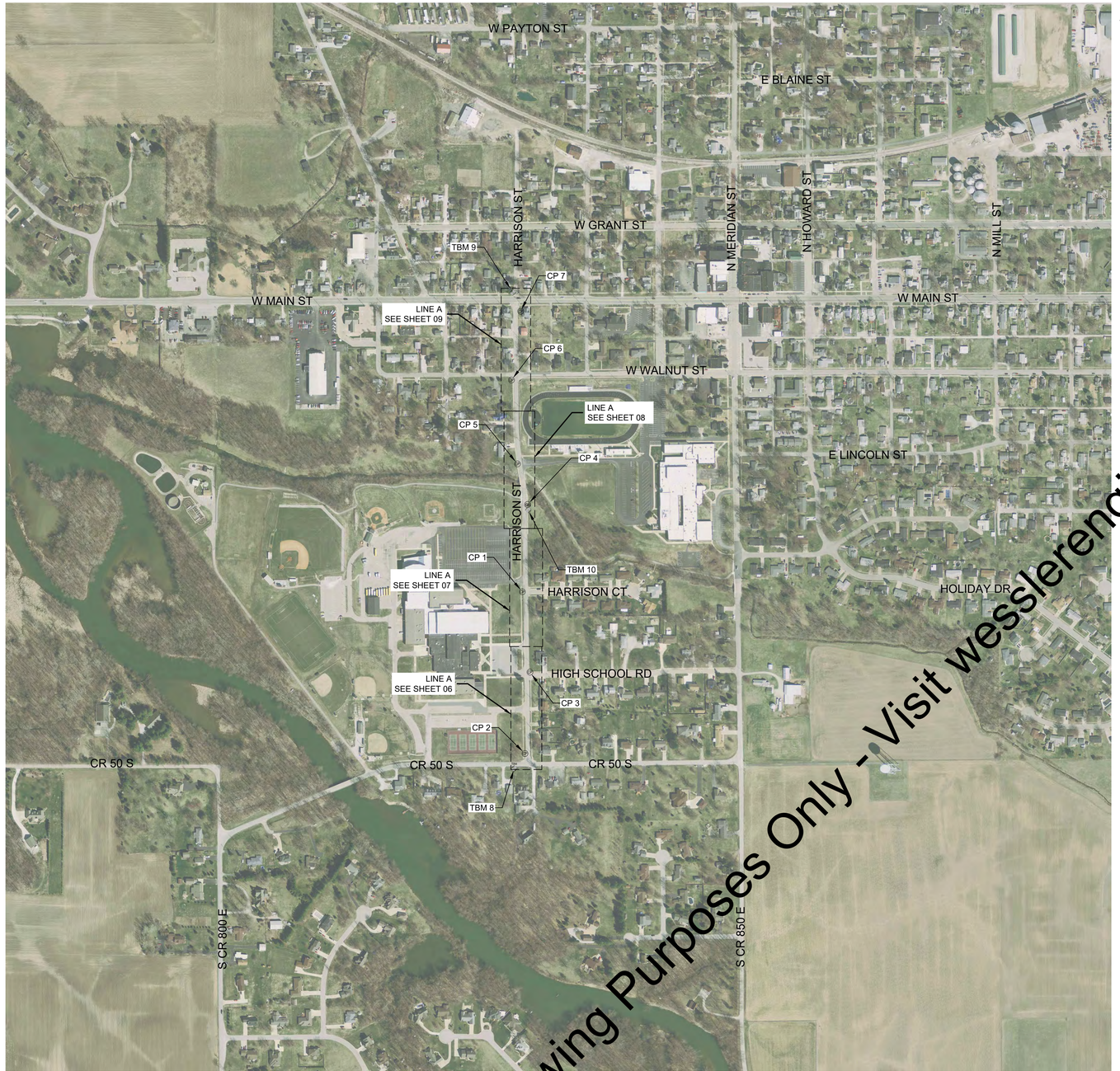
KIM PATTON, MEMBER

TERESA DUKE, CLERK TREASURER

MARCH 5, 2018

JEREMY A. BURNS
REGISTERED ENGINEER STATE OF INDIANA NO. 10403969

BRENT A. SIEBENTHAL
REGISTERED ENGINEER STATE OF INDIANA NO. 19800332



2011 IMAGERY FROM INDIANA STATE MAP.

LOCATION AND SCOPE OF WORK PLAN

150 300 600 FT
1"=300'

HORIZONTAL AND VERTICAL CONTROL INFORMATION

NOTES:
1. A FIELD SURVEY WAS PERFORMED IN OCTOBER 2017.
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 TBMS.

BENCHMARK DESCRIPTION:
1. TBM NO. 9 - RAILROAD SPIKE SET IN THE NORTH SIDE OF POWER POLE, APPROXIMATELY 19' SOUTH OF CR 50 SOUTH AND 72' WEST OF HARRISON STREET. STA 0+03, 72' LT. EL 835.08
2. TBM NO. 9 - CUT X IN THE SOUTH BONNET BOLT OF FIRE HYDRANT, IN THE NORTHWEST CORNER OF MAIN STREET AND HARRISON STREET. STA 0+03, 14' LT. EL 836.04
3. TBM NO. 10 - RAILROAD SPIKE SET IN THE WEST SIDE OF POWER POLE, APPROXIMATELY 100' SOUTH OF THE BRIDGE AND 18' EAST OF HARRISON STREET. STA 12+94, 18' RT. EL 828.68

ROW NOTE:
RIGHT-OF-WAY LINES AND PARCEL LINES ARE FROM THE HOWARD COUNTY GIS.

CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1903466.83	243569.28	829.22	5/8" REBAR
2	1902644.57	243582.77	835.70	5/8" REBAR
3	1903058.48	243608.50	834.59	MAGNAIL
4	1903910.82	243595.73	827.23	MAGNAIL
5	1904117.61	243544.33	827.91	MAGNAIL
6	1904544.07	243514.04	830.73	5/8" REBAR
7	1904893.76	243560.74	834.75	5/8" REBAR

CENTERLINE COORDINATE DATA			
DESCRIPTION	NORTHING	EASTING	BEARING TO NEXT PI
LINE A (HARRISON STREET)			
POT STA 0+00.00	1902588.72	243600.55	N 00° 51' 09" W
PC STA 13+15.17	1903903.74	243580.99	
PI STA 13+59.02	1903947.58	243580.33	N 07° 07' 35" W
PT STA 14+02.77	1903991.09	243574.89	
PC STA 16+32.95	1904219.49	243546.34	
PI STA 16+76.82	1904263.01	243540.90	N 00° 50' 58" W
PT STA 17+20.59	1904306.88	243540.25	
PI STA 19+40.05	1904526.30	243536.99	N 00° 13' 25" W
POT STA 24+00.00	1904986.25	243535.20	

DRAWING INDEX

SCALE VERIFICATION
BAR IS ONE INCH LONG ON ORIGINAL DRAWING

DRAWN BY	JRW
CHECKED BY	BAS
APPROVED BY	JAB
ISSUE DATE	MARCH 5, 2018
PROJECT NUMBER	200717-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

LOCATION PLAN AND DRAWING INDEX

SHEET NO. 02
TOTAL SHEETS 22

EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BM	BENCH MARK	CB	CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
TBM	TEMPORARY BENCH MARK	E M	ELECTRIC METER		LOT BOUNDARY
SB 01	SOIL BORING LOCATION	AC	AIR CONDITIONING UNIT		PROPERTY BOUNDARY
	SECTION CORNER	XXX	UTILITY RISER (DEFINED BY UTILITY)		RIGHT-OF-WAY - TEMPORARY/PERMANENT
	DRILL HOLE IN CONCRETE/HARRISON MONUMENT	XXX	UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
CP	CONTROL POINT (SET/FOUND)	X	UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
MS	MAGNETIC NAIL (SET/FOUND)	J	JOINT POWER/TELEPHONE POLE	849	CONTOUR - INTERMEDIATE ELEVATION
BS	BOAT SPIKE (SET/FOUND)	L	LIGHT POLE	850	CONTOUR - INDEX ELEVATION
PK	PK NAIL (SET/FOUND)	LP	LIGHT ON POWER POLE	OHE OHE	OVERHEAD ELECTRIC
RS	RAILROAD SPIKE (SET/FOUND)	LJ	LIGHT ON JOINT POLE	OHC OHC	OVERHEAD CABLE TV
R/W	R/W MARKER - CONCRETE/GRANITE/STONE	P	POWER POLE	OHT OHT	OVERHEAD TELEPHONE
IP	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)	T	TELEPHONE POLE	UGC UGC	UNDERGROUND CABLE TV
BP	BRASS PLUG		LAMP POST	UGE UGE	UNDERGROUND ELECTRIC
C	CABLE TV MANHOLE		GUY ANCHOR	UGF UGF	UNDERGROUND FIBER OPTIC
E	ELECTRIC MANHOLE		GUY POLE OR STUB	G G G	GAS MAIN
G	GAS MANHOLE		CONTROLLER CABINET	DG DG	DIGESTER GAS
O	OTHER MANHOLE	FP	FLAG POLE	P P P	PETROLEUM MAIN
T	TELEPHONE MANHOLE		POST	UGT UGT	UNDERGROUND TELEPHONE
TEL	TELEPHONE VAULT		GROUND LIGHT	W W W	WATER MAIN
I	TRAFFIC MANHOLE	M	MAILBOX	W W W	WATER SERVICE
H	TRAFFIC HANDHOLE	M M	DOUBLE/MULTIPLE MAILBOX	FM FM	FORCEMAIN
W	WATER MANHOLE		MAST ARM POLE		GRAVITY SEWER PIPE
A	AIR RELEASE VALVE		TRAFFIC SIGNAL STRAIN POLE		PLANT CHLORINE PIPE
S	SANITARY SEWER MANHOLE		SIGNAL LOOP DETECTOR BOX		TOP OF BANK/TOE OF SLOPE
D	DRAINAGE/STORM SEWER MANHOLE		SIGNAL LOOP DETECTOR LOOP		CENTERLINE OF DITCH/SWALE/STREAM
CO	SANITARY SEWER CLEANOUT		SIGN - SINGLE POST	x x x x x x x x x x x	FENCE - FIELD
ST	SEPTIC TANK		SIGN - DOUBLE POST	o o o o o o o o o o o	FENCE - METAL
VV	VALVE VAULT		SIGN - RAILROAD SIGNAL	s s s s s s s s s s s	FENCE - WOOD
	BEEHIVE INLET		SIGN - RAILROAD CROSSING		GUARDRAIL
	CURB INLET		BUSH		STREAM
	DROP INLET		STUMP		TREE/BRUSH LINE
	CATCH BASIN		TREE - CONIFEROUS		
DS	DOWNSPOUT		TREE - DECIDUOUS		
GM	GAS METER		ROCK OUTCROP		
GV	GAS VALVE	SAT	SATELLITE		
GSV	GAS SERVICE VALVE				
PV	PETROLEUM VALVE				
PSO	PETROLEUM SHUTOFF VALVE				
GM	GAS STATION MONITORING WELL				
GFC	GAS STATION FILL CAP				
GW	NATURAL GAS WELL/STORAGE WELL				
SP	SPRINKLER HEAD				
SPH	SPRINKLER CONTROL VALVE				
WM	WATER METER				
WV	WATER VALVE				
WSV	WATER SERVICE VALVE				
W	WATER WELL				
WW	WET WELL				
	FIRE HYDRANT				
	PROCESS VALVE				
	YARD HYDRANT				

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

Indiana 811
Know what's below.
Call before you dig.

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	SR	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 JORDAN IRON WORKS	SECT	SECTION
EL	ELEVATION	SF	SQUARE FEET
EX	EXISTING	SHT	SHEET
EXP	EXPANSION	SPECS	SPECIFICATION(S)
FFE	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

TELEPHONE
AT&T
116 E TAYLOR STREET
KOKOMO, INDIANA 46901
765-454-4149
ATTN: RYAN McMANIS

CABLE TV
COMCAST
335 E 10TH STREET
ANDERSON, INDIANA 46016
OFFICE: 765-622-2904
MOBILE: 765-256-1651
FAX: 765-649-1532
ATTN: BUDDY CABINESS

ELECTRIC
DUKE ENERGY
1619 W DEFFENBAUGH STREET
KOKOMO, INDIANA 46902
765-454-6166
ATTN: STEVE THOMPSON

GAS
NIPSCO
1619 W LOGANSPORT ROAD
PERU, INDIANA 46970
574-870-0849
ATTN: DAVE PRATNER

SEWER
GREENTOWN WASTEWATER FACILITY
112 N MERIDIAN STREET
GREENTOWN, INDIANA 46936
765-416-4623
ATTN: MICHAEL MAUK

WATER
GREENTOWN WATER WORKS
112 N MERIDIAN STREET
GREENTOWN, INDIANA 46936
765-480-7032
ATTN: GENE MILLER

GENERAL NOTES:
1. 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.
2. 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.
3. 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.
4. 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.
5. OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
6. 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 CONSTRUCTION.
7. ALL PRIVATE WELL LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. FIELD VERIFY AND DETERMINE EXACT LOCATIONS OF ALL PRIVATE WELLS IN THE PROJECT AREA.
8. 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, ALL INCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY. CONTACT NON-MEMBER UTILITIES DIRECTLY.
9. 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.
10. EXISTING UTILITY SERVICE LINES TO 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.
11. 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.
12. COORDINATE PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITIES' 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.
13. 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.
14. BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
15. MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
16. DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
17. ALL EQUIPMENT, APPURTENANCES AND PIPING REMOVED AS PART OF THE DEMOLITION SHALL FIRST BE OFFERED TO THE OWNER FOR SALVAGE. DELIVER SALVAGED ITEMS SELECTED BY OWNER TO A LOCATION DESIGNATED BY THE OWNER OR ENGINEER. IN THE EVENT THE OWNER DOES NOT ELECT TO KEEP THE REMOVED ITEMS, REMOVE SUCH ITEMS FROM THE SITE AND DISPOSE OF AT A LOCATION APPROVED FOR SUCH DISPOSAL AT THE CONTRACTOR'S EXPENSE.
18. COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
19. ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
20. TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
21. PLACE NEW ASPHALT PAVEMENT FLUSH WITH CURB RAMPS AND CASTINGS.
22. INSPECT THE SITE PRIOR TO BIDDING TO UNDERSTAND THE EXTENT OF THE WORK INVOLVED AND ADJUST BID ACCORDINGLY.
23. LENGTHS OF SEWERS AS SHOWN ON THE DRAWINGS AND INDICATED AS LINEAR FEET (LF) ARE FROM CENTER TO CENTER OF STRUCTURES.
24. NORTHING AND EASTING OR STATION AND OFFSET INFORMATION IS GIVEN AT CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
25. PLACE NO. 8 CRUSHED AGGREGATE BETWEEN PIPES AT ALL PIPE CROSSINGS TO PREVENT PIPE SETTLEMENT UNLESS SHOWN OTHERWISE.
26. VERIFY EXISTING SEWER INVERTS AND LOCATIONS PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS.
27. ADJUST SEWER LATERALS AS NECESSARY TO AVOID CONFLICTS. LATERALS THAT REQUIRE FIELD ADJUSTMENT SHALL BE LAID AT THE MINIMUM SLOPE.
28. RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
29. IF REQUIRED, PLACE TEMPORARY OVERNIGHT AGGREGATE WEDGES AT DRIVEWAYS TO ALLOW PROPERTY OWNER ACCESS.
30. PLACE CURB RAMPS AT LOCATIONS SHOWN ON THE DRAWINGS, UTILIZING INDOT STANDARD DETAILS INCLUDED IN THE PROJECT MANUAL APPENDIX.
31. REMOVE EXISTING SIDEWALK THAT IS GOING TO BE REPLACED.

SCALE VERIFICATION			NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	JRW				
	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER
03/05/2018

WESSLER ENGINEERING
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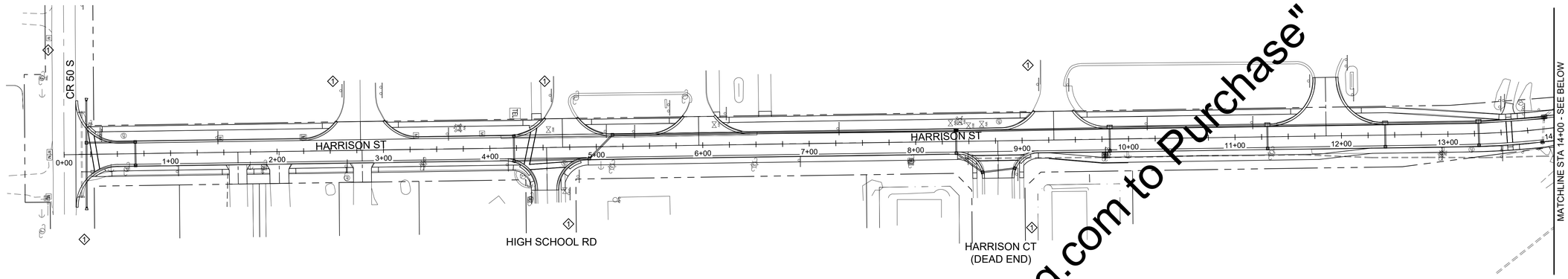
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

GENERAL SHEET

SHEET NO. 03
TOTAL SHEETS 22

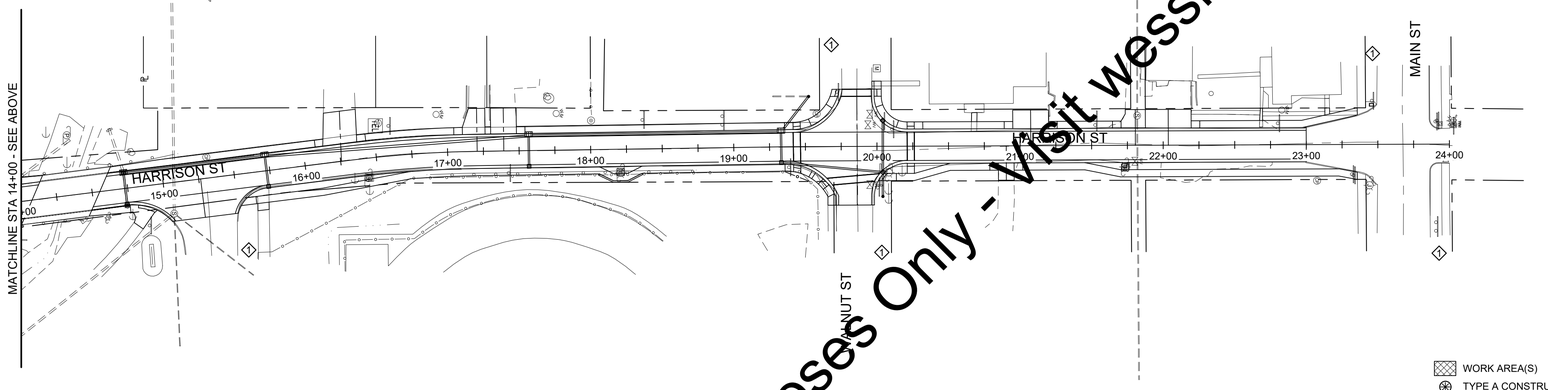


TRAFFIC CONTROL PLAN - PHASE 1

SCALE: 1" = 50'

TRAFFIC CONTROL NOTES:

1. PROVIDE SIGNS AND PLACEMENT OF SIGNS IN COMPLIANCE WITH THE IMUTCD (LATEST EDITION) AND THE CURRENT INDOT STANDARDS.
2. WHEN SCHOOL IS IN SESSION, INSTALL THE NEW STORM SEWER, UTILIZING THE FLAGGER OPERATION TO MAINTAIN ONE TRAVEL LANE.
3. COVER SIGNS 4 AND 5 WHEN WORK IS NOT IN PROGRESS.
4. DURING CONSTRUCTION MINIMIZE DAMAGE TO THE EXISTING PAVEMENT, DRIVES, AND SIDEWALKS THAT ARE NOT BEING REPLACED.
5. BACKFILL EXCAVATIONS IN THE PAVEMENT AREAS DAILY AND TEMPORARILY COVER WITH STEEL PLATES UNTIL PAVEMENT IS REPLACED.
6. WHEN SCHOOL IS OUT OF SESSION (SEE SPECIFICATION SECTION 01500, ARTICLE 3.04) THE STREET MAY BE CLOSED, UTILIZING INDOT STANDARD DRAWINGS E 801-TCDT-02 AND E 801-TCDT-04 FOR DETOUR ROUTE SIGNAGE.
7. RECOMMENDED DETOUR ROUTE IS: MAIN STREET, MERIDIAN STREET, COUNTY ROAD 50 SOUTH.
8. SUBMIT A DETAILED DETOUR ROUTE PLAN AND TIMELINE FOR APPROVAL 2 WEEKS PRIOR TO ANY CLOSURES.
9. PROTECTION OF AND ACCESS FOR PEDESTRIANS, EMERGENCY VEHICLES, SCHOOL BUSES AND ADJACENT RESIDENTIAL PROPERTIES MUST BE MAINTAINED DURING CONSTRUCTION.
10. COORDINATE CLOSURES WITH ALL EMERGENCY AGENCIES AND SCHOOL DISTRICTS.
11. PROVIDE UP TO 40 UNDISTRIBUTED CONSTRUCTION SIGNS (TYPE B) FOR SIDEWALK CLOSURES AND PEDESTRIAN ROUTING.
12. PROVIDE UP TO 200 TONS OF UNDISTRIBUTED TEMPORARY COMPACTED AGGREGATE NO. 53.



TRAFFIC CONTROL PLAN - PHASE 1

SCALE: 1" = 50'

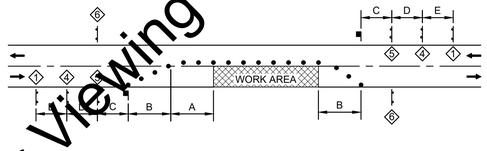
SPEED (MPH)	DISTANCE (FEET)				
	A	B	C	D	E
25	160	100	100	100	100
30	200	100	100	100	100
35	280	100	350	350	350
40	320	100	350	350	350

NOTES:

1. DISTANCES SHOWN ARE APPROXIMATE. ADJUST SIGN FOR CURVES, HILLS, INTERSECTIONS, DRIVEWAYS, ETC TO IMPROVE SIGN VISIBILITY.
2. THE SPACING OF CHANNELIZING DEVICES SHOULD BE A DISTANCE IN FEET EQUAL TO THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH USED FOR TANGENT CHANNELIZATION.

ADVANCE WARNING SIGN AND FLAGGER OPERATION SPACING

SCALE: NONE



TEMPORARY FLAGGER OPERATION

SCALE: NONE

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- "ROAD WORK AHEAD" (W20-1)
- "ROAD CLOSED TO THRU TRAFFIC" (R11-4)
- "ROAD CLOSED AHEAD" (W20-3)
- "ONE LANE ROAD AHEAD" (W20-4)
- FLAGGER SIGN (W20-7)
- "END ROAD WORK" (G20-2)
- BARRICADE TYPE IIIB
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY, INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN, FACING LEFT
- SIGN, FACING RIGHT

TRAFFIC CONTROL LEGEND

SCALE: NONE

SCALE VERIFICATION			NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	JRW				
	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

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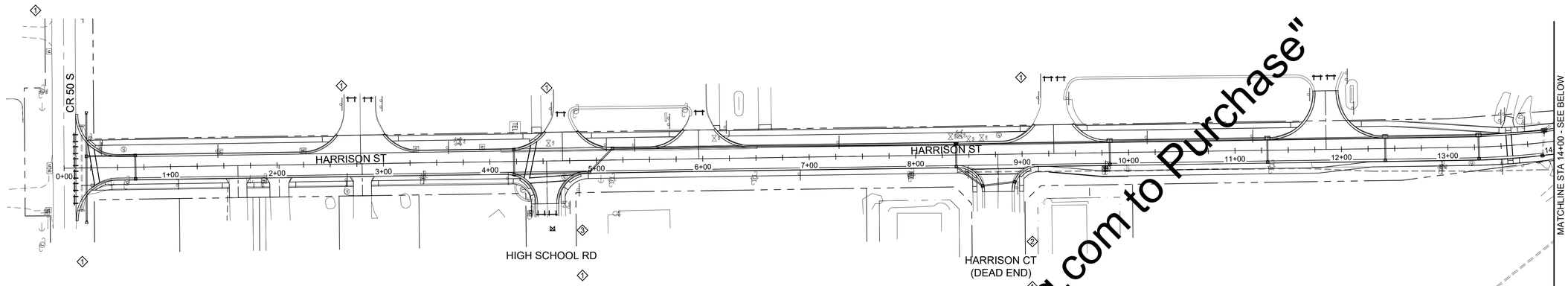
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

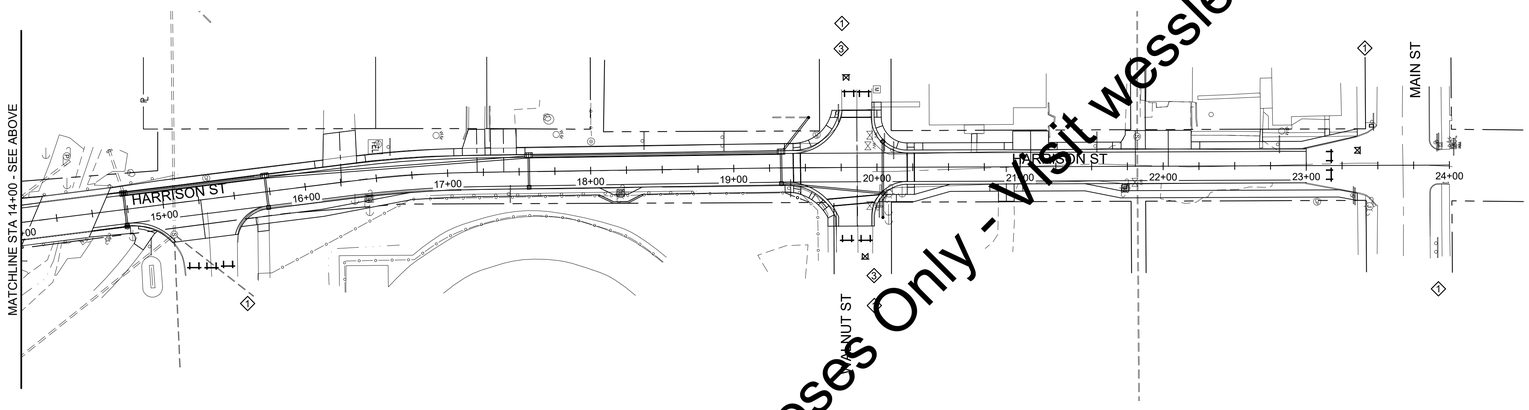
TRAFFIC CONTROL PLAN - PHASE 1

SHEET NO. 04

TOTAL SHEETS 22



TRAFFIC CONTROL PLAN - PHASE 2
SCALE: 1" = 50'



- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- "ROAD WORK AHEAD" (W20-1)
- "ROAD CLOSED TO THRU TRAFFIC" (R11-4)
- "ROAD CLOSED AHEAD" (W20-3)
- "ONE LANE ROAD AHEAD" (W20-4)
- FLAGGER SIGN (W20-7)
- "END ROAD WORK" (G20-2)
- BARRICADE TYPE IIIB
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- ROAD CLOSURE SIGN ASSEMBLY; INCLUDES R11-2, BARRICADE TYPE IIIB, AND TYPE B CONSTRUCTION WARNING LIGHT
- FLAGGER
- SIGN, FACING LEFT
- SIGN, FACING RIGHT

TRAFFIC CONTROL LEGEND
SCALE: NONE

TRAFFIC CONTROL PLAN - PHASE 2
SCALE: 1" = 50'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

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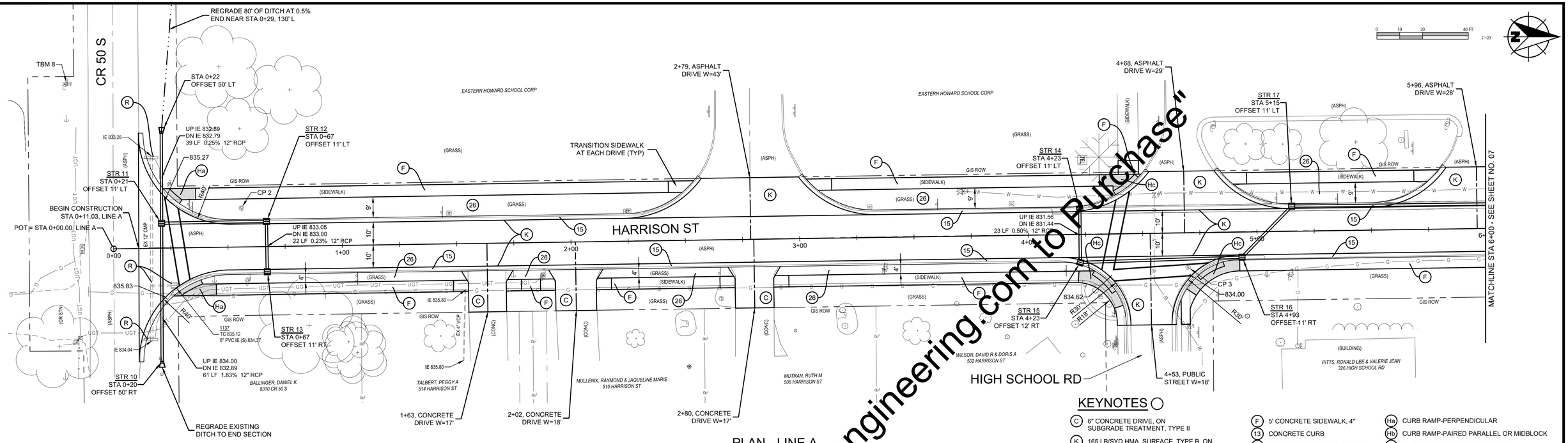
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

TRAFFIC CONTROL PLAN - PHASE 2

SHEET NO. 05

TOTAL SHEETS 22



PLAN - LINE A

SCALE: 1" = 20'

KEYNOTES

- (C) 6" CONCRETE DRIVE, ON SUBGRADE TREATMENT, TYPE II
- (K) 165 LB/SYD HMA, SURFACE, TYPE B, ON 275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON 440 LB/SYD HMA, BASE, TYPE B, ON SUBGRADE TREATMENT OR FDR
- (F) 5' CONCRETE SIDEWALK, 4"
- (13) CONCRETE CURB
- (15) CONCRETE CURB AND GUTTER
- (26) MULCHED SEEDING
- (R) REMOVE ITEM
- (Ha) CURB RAMP-PERPENDICULAR
- (Hb) CURB RAMP-PAIRED PARALLEL OR MIDBLOCK
- (Hc) CURB RAMP-BLENDED TRANSITION

PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

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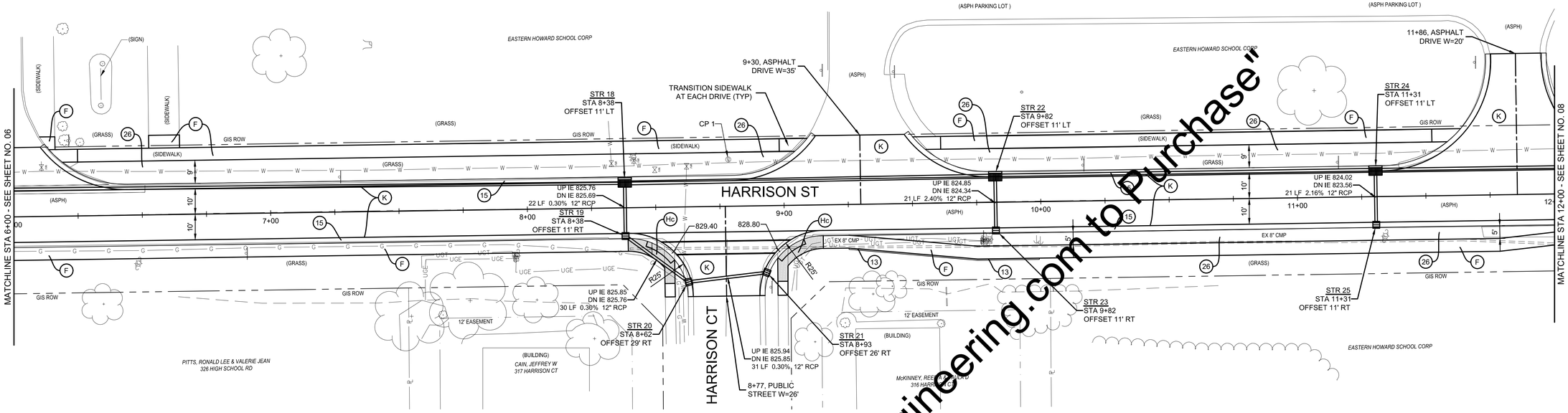
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO. 06

TOTAL SHEETS 22

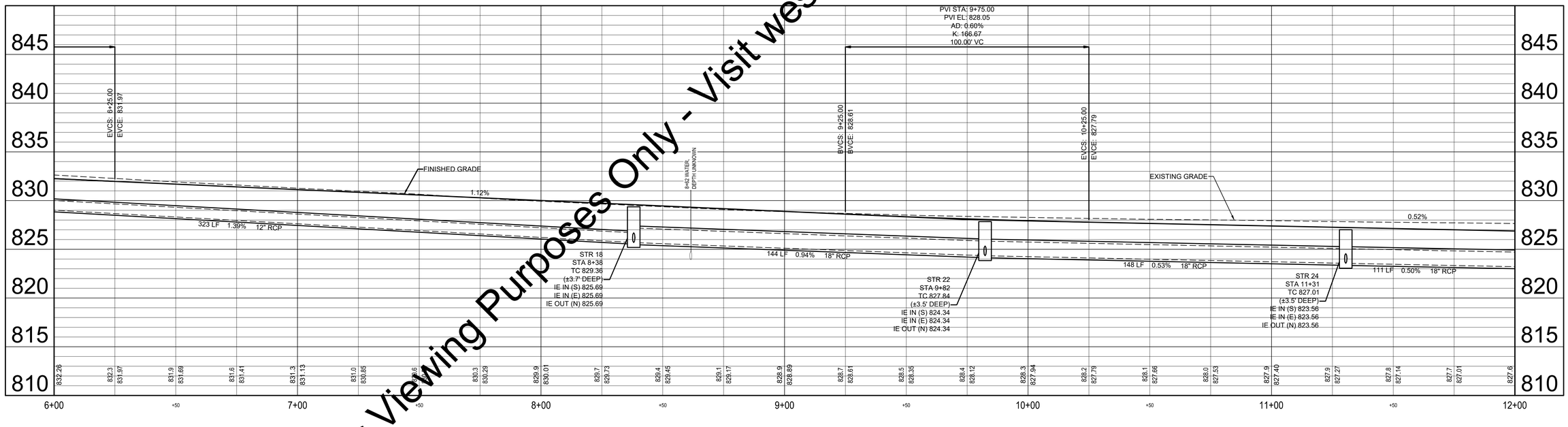


PLAN - LINE A

SCALE: 1" = 20'

KEYNOTES

- (C) 6" CONCRETE DRIVE, ON SUBGRADE TREATMENT, TYPE II
- (K) 165 LB/SYD HMA, SURFACE, TYPE B, ON 275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON 440 LB/SYD HMA, BASE, TYPE B, ON SUBGRADE TREATMENT OR FDR
- (F) 5' CONCRETE SIDEWALK, 4"
- (13) CONCRETE CURB
- (15) CONCRETE CURB AND GUTTER
- (26) MULCHED SEEDING
- (R) REMOVE ITEM
- (Ha) CURB RAMP-PERPENDICULAR
- (Hb) CURB RAMP-PAIRED PARALLEL OR MIDBLOCK
- (Hc) CURB RAMP-BLENDED TRANSITION



PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS					
	APPROVED BY	JAB					
	ISSUE DATE	MARCH 5, 2018					
	PROJECT NUMBER	200717-04-001					

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

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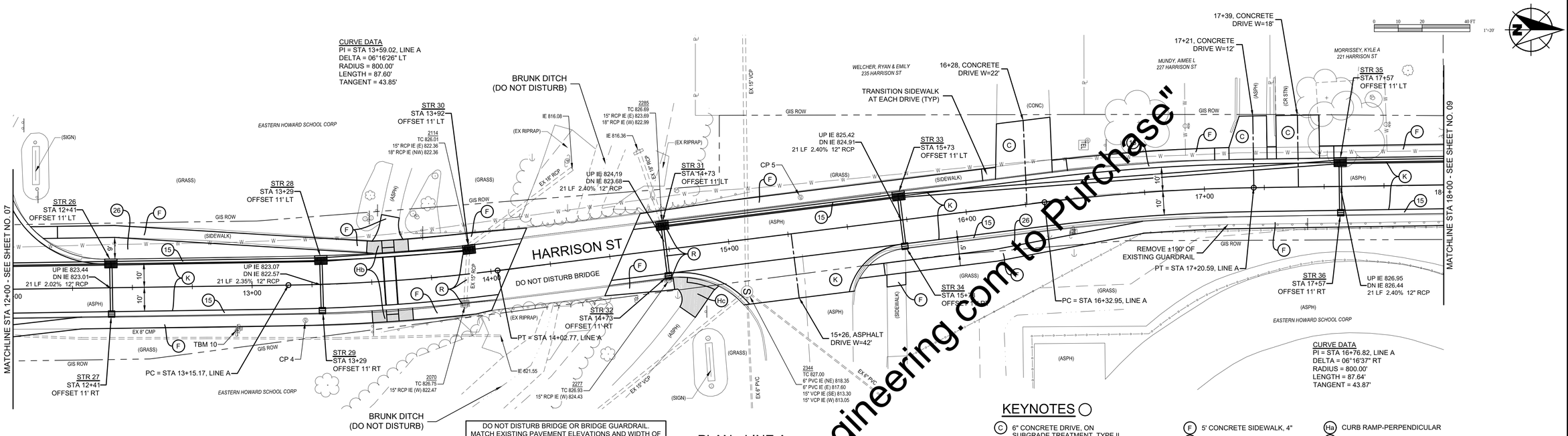
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO. 07

TOTAL SHEETS 22

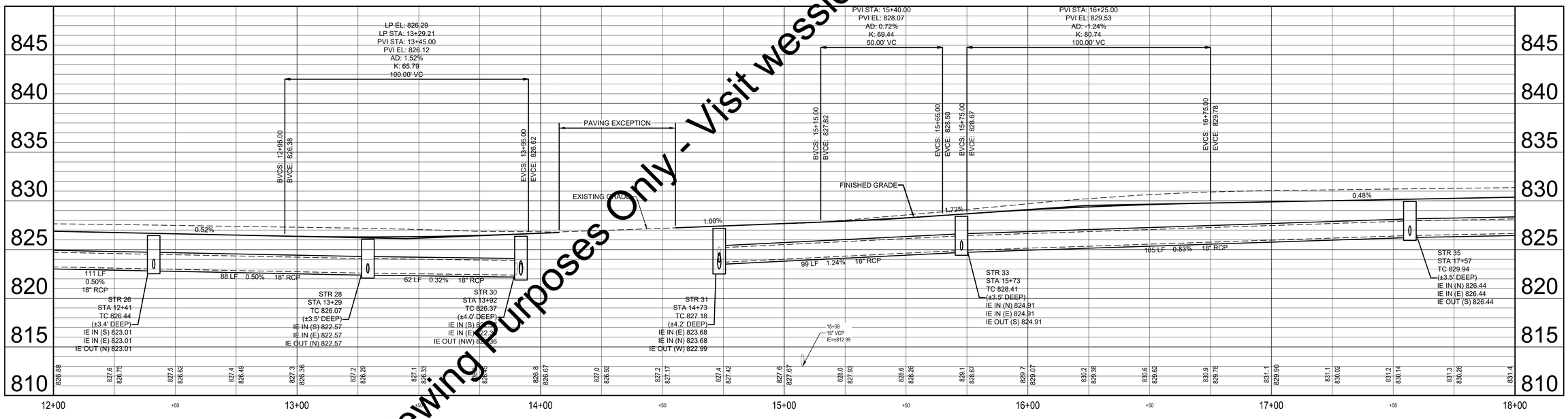


PLAN - LINE A

SCALE: 1" = 20'

KEYNOTES

- (C) 6" CONCRETE DRIVE, ON SUBGRADE TREATMENT, TYPE II
- (K) 165 LB/SYD HMA, SURFACE, TYPE B, ON 275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON 440 LB/SYD HMA, BASE, TYPE B, ON SUBGRADE TREATMENT OR FDR
- (F) 5' CONCRETE SIDEWALK, 4"
- (13) CONCRETE CURB
- (15) CONCRETE CURB AND GUTTER
- (26) MULCHED SEEDING
- (R) REMOVE ITEM
- (Ha) CURB RAMP-PERPENDICULAR
- (Hb) CURB RAMP-PAIRED PARALLEL OR MIDBLOCK
- (Hc) CURB RAMP-BLENDED TRANSITION



PROFILE - LINE A

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
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JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

WESSLER ENGINEERING More than a Project™

HARRISON STREET RECONSTRUCTION

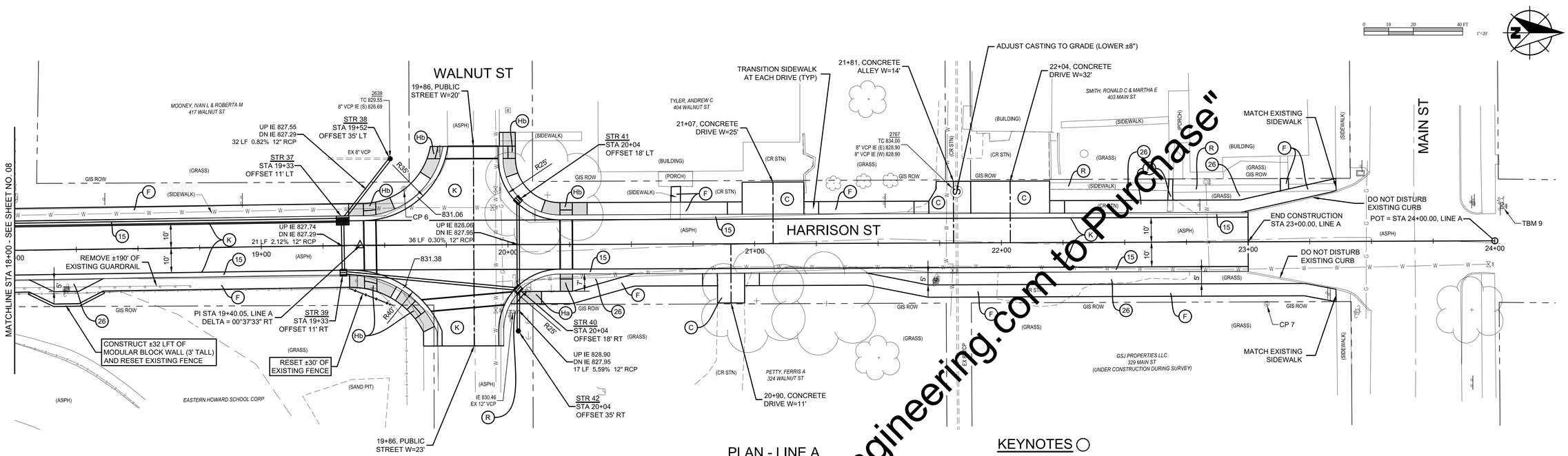
TOWN OF GREENTOWN, INDIANA

PLAN AND PROFILE - LINE A

SHEET NO. 08

TOTAL SHEETS 22

Drawing: J:\Greentown\Projects\200717 Greentown Harrison St\CAD 04-001\DWG\Sheets\200717-PP.dwg | Layout: 03 | Plotted: 03/05/18 @ 11:46:49 | LastSavedBy: JasonW



PLAN - LINE A
SCALE: 1" = 20'

KEYNOTES

- (C) 6" CONCRETE DRIVE, ON SUBGRADE TREATMENT, TYPE II
- (K) 165 LB/SYD HMA, SURFACE, TYPE B, ON 275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON 440 LB/SYD HMA, BASE, TYPE B, ON SUBGRADE TREATMENT OR FDR
- (F) 5' CONCRETE SIDEWALK, 4"
- (13) CONCRETE CURB
- (15) CONCRETE CURB AND GUTTER
- (26) MULCHED SEEDING
- (R) REMOVE ITEM
- (Ha) CURB RAMP-PERPENDICULAR
- (Hb) CURB RAMP-PAIRED PARALLEL OR MIDBLOCK
- (Hc) CURB RAMP-BLENDED TRANSITION

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

SCALE VERIFICATION	DRAWN BY	JRW
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS
	APPROVED BY	JAB
	ISSUE DATE	MARCH 5, 2018
	PROJECT NUMBER	200717-04-001

NO.	DATE	INITIALS	REVISION DESCRIPTIONS

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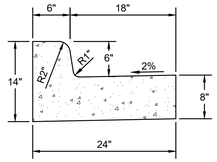
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

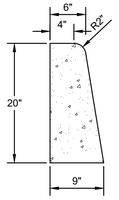
PLAN AND PROFILE - LINE A

SHEET NO. 09

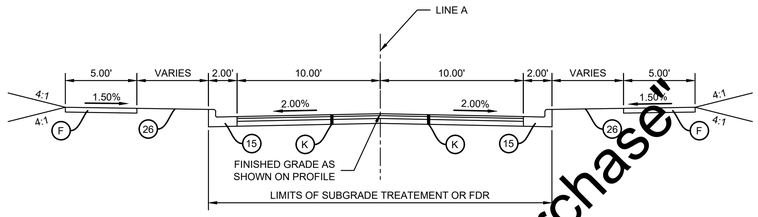
TOTAL SHEETS 22



(15) CONCRETE CURB AND GUTTER
SCALE: NONE



(13) CONCRETE CURB
SCALE: NONE



TYPICAL CROSS SECTION
STA 0+11 TO STA 23+00, LINE A
SCALE: 1" = 5'

KEYNOTES

(K) 165 LB/SYD HMA, SURFACE, TYPE B, ON
275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON
440 LB/SYD HMA, BASE, TYPE B, ON
SUBGRADE TREATMENT, TYPE II
(6" OF COMPACTED AGGREGATE, NO. 53)

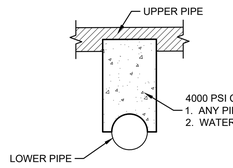
(K) ALTERNATE BID A PAVEMENT SECTION
165 LB/SYD HMA, SURFACE, TYPE B, ON
275 LB/SYD HMA, INTERMEDIATE, TYPE B, ON
440 LB/SYD HMA, BASE, TYPE B, ON
CEMENT STABILIZED FULL DEPTH RECLAMATION (FDR)
(PER INDOT SPECIAL PROVISION 307-R-657)

(F) 5' CONCRETE SIDEWALK, 4"

(13) CONCRETE CURB

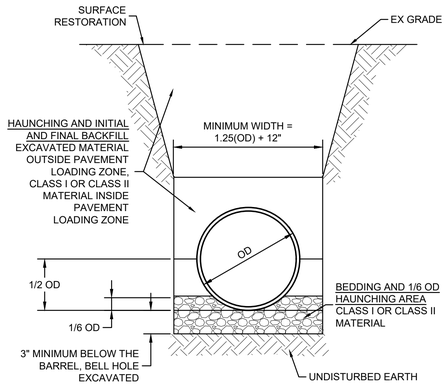
(15) CONCRETE CURB AND GUTTER

(26) MULCHED SEEDING

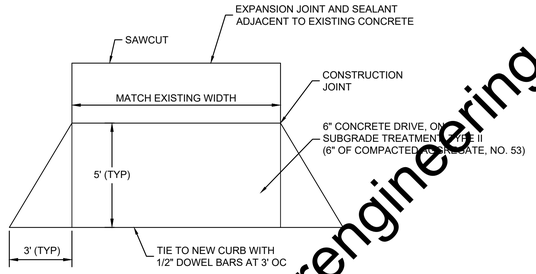


NOTES:
1. IF THE EXISTING PIPE IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE OWNER OR ENGINEER, THE CONTRACTOR SHALL REPAIR THE PIPE PRIOR TO CONCRETE CRADLE PLACEMENT.

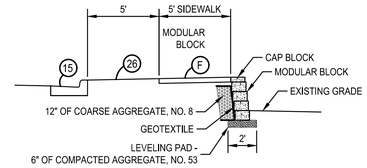
CONCRETE CRADLE
SCALE: NONE



REINFORCED CONCRETE PIPE (RCP) TRENCH
SCALE: NONE

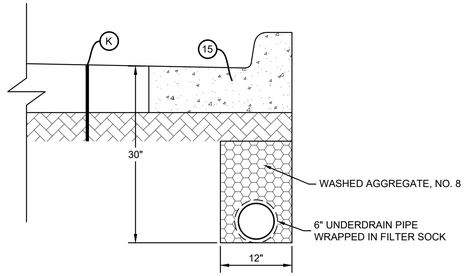


CONCRETE DRIVE APPROACH
SCALE: NONE



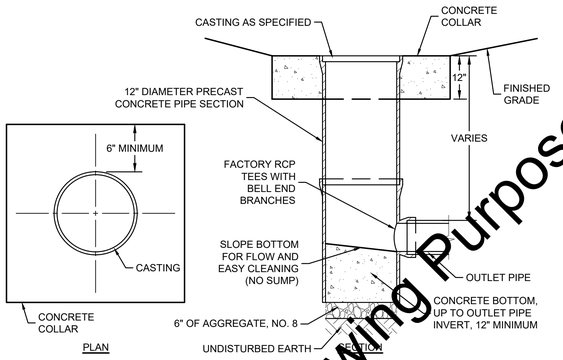
NOTES:
1. WALL COLOR TO BE NATURAL (GREY).
2. CONSTRUCT IN ACCORDANCE WITH INDOT SPECIFICATION SECTION 732.

MODULAR BLOCK WALL SECTION
SCALE: NONE

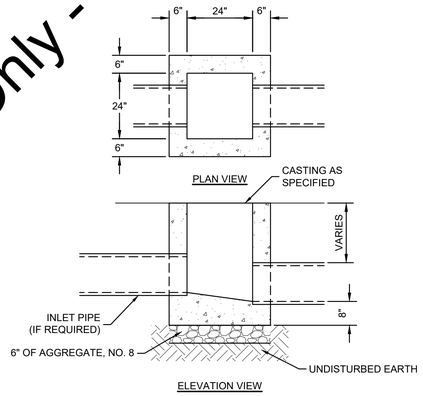


NOTES:
1. CONNECT PIPE TO UPSTREAM AND DOWNSTREAM STORM SEWER STRUCTURE.
2. STA 9+82 TO STA 13+50, RIGHT

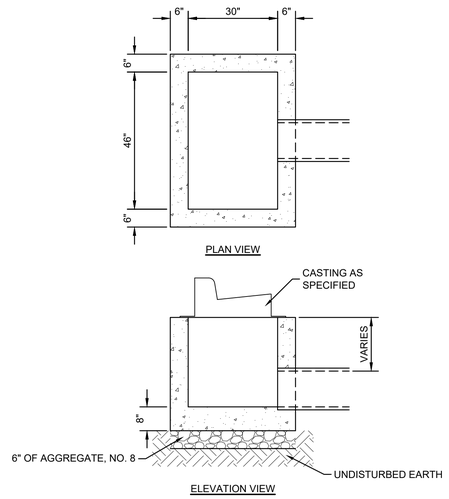
UNDERDRAIN
SCALE: NONE



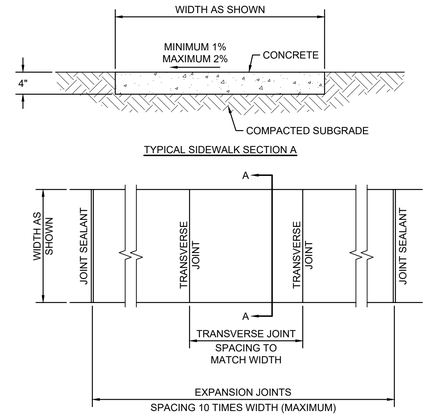
YARD INLET
SCALE: NONE



INLET TYPE A
SCALE: NONE



INLET TYPE B
SCALE: NONE



CONCRETE SIDEWALK
SCALE: NONE

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS					
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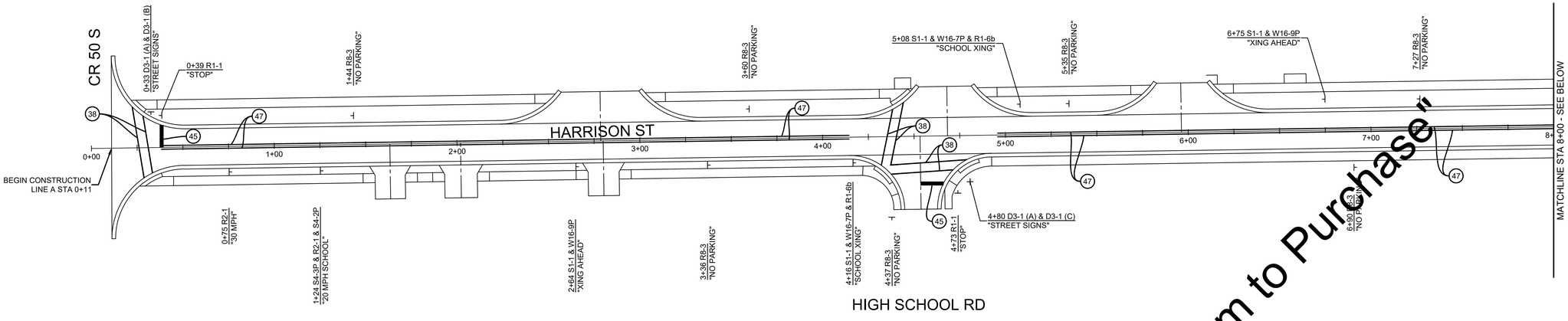
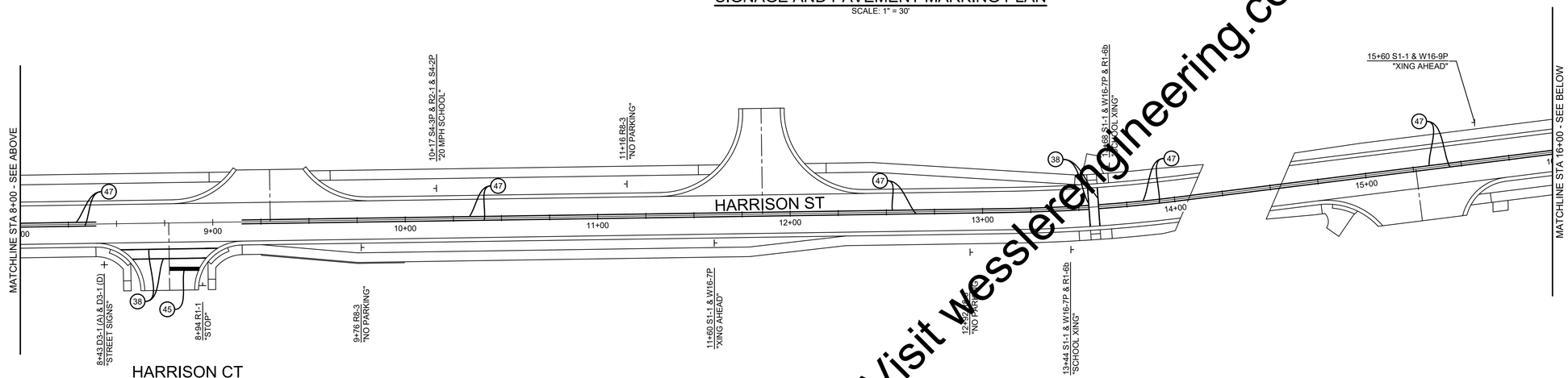
HARRISON STREET RECONSTRUCTION
TOWN OF GREENTOWN, INDIANA
TYPICAL CROSS SECTIONS AND DETAILS

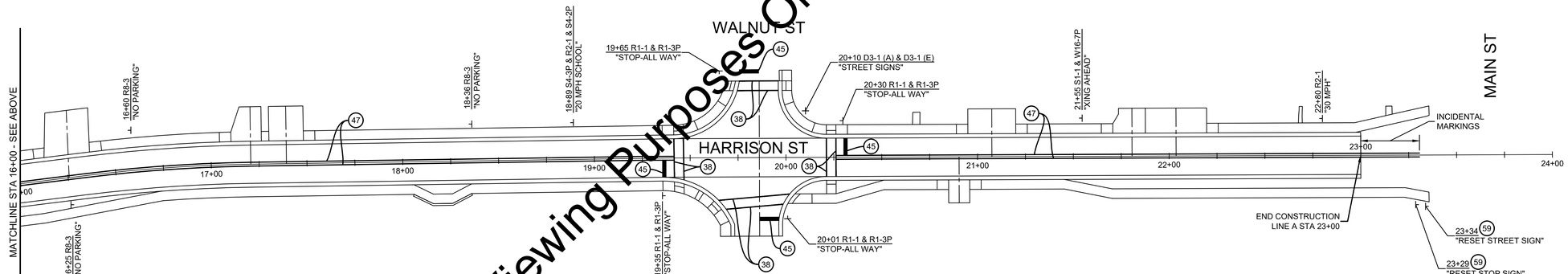
SHEET NO. 10
TOTAL SHEETS 22



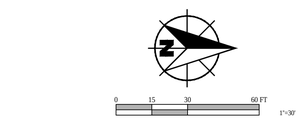
SIGNAGE AND PAVEMENT MARKING PLAN
SCALE: 1" = 30'

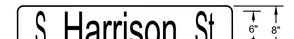


SIGNAGE AND PAVEMENT MARKING PLAN
SCALE: 1" = 30'

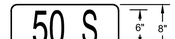


SIGNAGE AND PAVEMENT MARKING PLAN
SCALE: 1" = 30'





D3-1(A)
36" X 8"



D3-1(B)
18" X 8"

D3-1(C)
40" X 8"

D3-1(D)
32" X 8"

D3-1(E)
36" X 8"

LEGEND

- (38) TRANSVERSE MARKINGS, THERMOPLASTIC, CROSSWALK, WHITE, 6"
- (45) TRANSVERSE MARKINGS, THERMOPLASTIC, STOP, WHITE, 24"
- (47) LINE, THERMOPLASTIC, SOLID, YELLOW, 4"
- (59) RESET EXISTING SIGN ON EXISTING POST
- ⊤ SIGN
- ┼ STREET SIGN

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
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JEREMY A. BURNS
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PROFESSIONAL ENGINEER
03/05/2018

WESSLER ENGINEERING
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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

SIGNAGE AND PAVEMENT MARKING PLAN

SHEET NO. 11

TOTAL SHEETS 22

SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE)	WIDTH	LENGTH	RADII	TAPER	HOT MIX ASPHALT PAVEMENT TYPE B SURFACE	HOT MIX ASPHALT PAVEMENT TYPE B INTER	HOT MIX ASPHALT PAVEMENT TYPE B BASE	SUBGRADE TREATMENT	4" CONCRETE SIDEWALKS	6" CONCRETE CURB RAMPS	CONCRETE CURB	CONCRETE CURB AND GUTTER	6" CONCRETE DRIVES	REMARKS
		"W"	"L"	"R"	"R"	165	275	440							
		FEET	FEET	FEET	FEET	SYS	SYS	SYS	SYS	SYS	SYS	LFT	LFT	SYS	
LINE A															
	HARRISON STREET	20				5,058	5,058	5,058	5,860	2,058	65	75	3,606		
1+63, RT	CONCRETE DRIVE	17	18		3x5				36					36	
2+02, RT	CONCRETE DRIVE	18	18		3x5				37					37	
2+79, LT	ASPHALT DRIVE	43	17	42/42		119	119	119	119				78		
2+80, RT	CONCRETE DRIVE	17	18		3x5				36					36	
4+53, RT	PUBLIC STREET	18	30	30/30		103	103	103	103	11	27		94		
4+68, LT	ASPHALT DRIVE	29	17	44/40		92	92	92	92				78		
5+96, LT	ASPHALT DRIVE	28	17	40/42		90	90	90	90				78		
8+77, RT	PUBLIC STREET	26	25	25/25		102	102	102	102	5	27		78		
9+30, LT	ASPHALT DRIVE	35	17	40/40		102	102	102	102				76		
11+86, LT	ASPHALT DRIVE	20	45	43/43		186	186	186	186				132		
15+26, RT	ASPHALT DRIVE	42	17	38/26		109	109	109	109				69		
16+28, LT	CONCRETE DRIVE	22	23						59					59	
17+21, LT	CONCRETE DRIVE	12	18		4x13(1)				29					29	
17+39, LT	CONCRETE DRIVE	18	18						36					36	
19+86, LT	PUBLIC STREET	20	30	35/25		111	111	111	111	20	37		99		
19+86, RT	PUBLIC STREET	23	31	40/25		122	122	122	122	6	31		99		
20+90, RT	CONCRETE DRIVE	11	12						15					15	
21+07, LT	CONCRETE DRIVE	25	13						36					36	
21+81, LT	CONCRETE ALLEY	14	13		3x5(1)				23					23	
22+04, LT	CONCRETE DRIVE	32	13						46					46	
	Undistributed											25	7		
	TOTAL:					**6,194**	**6,194**	**6,194**	**7,349**	**2,100**	**187**	**100**	**4,494**	**353**	

STRUCTURE DATA

STRUCTURE NUMBER	DESCRIPTION: STRUCTURE TYPE/SIZE	DESCRIPTION: NEENAH CASTING MODEL NUMBER	TOP OF RIM	DOWNSTREAM PIPE: SIZE	DOWNSTREAM PIPE: MATERIAL	DOWNSTREAM PIPE: LENGTH	CONNECT TO STR	REMARKS
			EL	IN		LF		
10	PIPE END SECTION			12	RCP	61	11	
11	INLET TYPE A	R-3405	835.52	12	RCP	39	PES	REGRADE EXISTING DITCH
12	INLET TYPE A	R-3286-8V	835.00	12	RCP	46	11	
13	INLET TYPE A	R-3286-8V	835.00	12	RCP	22	12	
14	INLET TYPE A	R-3286-8V	834.56	12	RCP	23	15	
15	INLET TYPE A	R-3286-8V	834.56	12	RCP	71	16	
16	INLET TYPE A	R-3286-8V	833.55	12	RCP	31	17	
17	INLET TYPE A	R-3286-8V	833.19	12	RCP	323	18	
18	INLET TYPE B	R-3287-15	829.36	18	RCP	144	22	
19	INLET TYPE A	R-3286-8V	829.37	12	RCP	22	18	
20	INLET TYPE A	R-3286-8V	829.32	12	RCP	30	19	
21	INLET TYPE A	R-3286-8V	828.94	12	RCP	31	20	
22	INLET TYPE B	R-3287-15	827.84	18	RCP	148	24	
23	INLET TYPE A	R-3286-8V	827.85	12	RCP	21	25	
24	INLET TYPE B	R-3287-15	827.01	18	RCP	111	26	
25	INLET TYPE A	R-3286-8V	827.02	12	RCP	21	27	
26	INLET TYPE B	R-3287-15	826.44	18	RCP		28	
27	INLET TYPE A	R-3286-8V	826.44	12	RCP		26	
28	INLET TYPE B	R-3287-15	826.07	18	RCP	22	30	
29	INLET TYPE A	R-3286-8V	826.07	12	RCP	21	28	
30	INLET TYPE B	R-3287-15	826.37				EX 18" RCP	
31	INLET TYPE B	R-3287-15	827.1				EX 18" RCP	
32	INLET TYPE A	R-3286-8V	827.19	12	RCP	21	31	
33	INLET TYPE B	R-3287-15	827.1	18	RCP	99	31	
34	INLET TYPE A	R-3286-8V	826.42	12	RCP	21	33	
35	INLET TYPE B	R-3287-15	829.94	18	RCP	185	33	
36	INLET TYPE A	R-3286-8V	829.95	12	RCP	21	35	
37	INLET TYPE B	R-3287-15	830.79	18	RCP	176	35	
38	YARD INLET	R-4350-B	829.55	12	RCP	32	37	
39	INLET TYPE A	R-3286-8V	830.80	12	RCP	21	37	
40	INLET TYPE A	R-3286-8V	831.06	12	RCP	71	39	
41	INLET TYPE A	R-3286-8V	831.06	12	RCP	36	40	
42	YARD INLET	R-4350-B	831.40	12	RCP	17	40	

STRUCTURE NOTES:
1. VERIFY ALL EXISTING STRUCTURE ELEVATIONS.
2. VERIFY ALL EXISTING UTILITY ELEVATIONS.
3. EXISTING STRUCTURE CONNECTION IS INCIDENTAL TO STORM SEWER CONSTRUCTION.

SHEET SIGN AND POST SUMMARY

SIGN LOCATION (STATION)		SIGN CODE	SIGN SIZE (INCH) W	SIGN SIZE (INCH) H	SHEET SIGN WITH LEGEND, THICKNESS AND SIGN AREA (SQUARE FEET) .080"	.100"	.125"	POST U-CHANNEL (3.5' EMBEDMENT LENGTH) POST LENGTH (FEET) 1	2	POST TYPE A	B	REMARKS
0+33	LT	D3-1(A)	36	8	2.00			14.0		X		S HARRISON ST
		D3-1(B)	18	8	1.00							50 S
0+39	LT	R1-1	30	30	6.25			13.0		X		
0+75	RT	R2-1	24	30	5.00			13.0		X		30 MPH
1+24	RT	S4-3P	24	8	1.33							FLUORESCENT YELLOW-GREEN
		R2-1	24	30	5.00			13.5		X		20 MPH
		S4-2P	24	10	1.67							
1+44	LT	R8-3	12	12	1.00			11.5		X		
2+64	RT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-9P	24	12	2.00							FLUORESCENT YELLOW-GREEN
3+36	RT	R8-3	12	12	1.00			11.5		X		
3+60	LT	R8-3	12	12	1.00			11.5		X		
4+16	RT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-7P	24	12	2.00							FLUORESCENT YELLOW-GREEN
		R1-6b	12	36	3.00							FLUORESCENT YELLOW-GREEN
4+37	RT	R8-3	12	12	1.00			11.5		X		
4+73	RT	R1-1	30	30	6.25			13.0		X		
4+80	RT	D3-1(A)	36	8	2.00			14.0		X		S HARRISON ST
		D3-1(C)	40	8	2.22							HIGH SCHOOL RD
5+08	LT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-7P	24	12	2.00							FLUORESCENT YELLOW-GREEN
		R1-6b	12	36	3.00							FLUORESCENT YELLOW-GREEN
5+35	LT	R8-3	12	12	1.00			11.5		X		
6+76	LT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-9P	24	12	2.00							FLUORESCENT YELLOW-GREEN
8+00	RT	R8-3	12	12	1.00			11.5		X		
8+07	LT	R8-3	12	12	1.00			11.5		X		
8+43	RT	D3-1(A)	36	8	2.00			14.0		X		S HARRISON ST
		D3-1(D)	32	8	1.78							HARRISON CT
8+94	RT	R1-1	30	30	6.25			13.0		X		
9+76	RT	R8-3	12	12	1.00			11.5		X		
10+17	LT	S4-3P	24	8	1.33							FLUORESCENT YELLOW-GREEN
		R2-1	24	30	5.00			13.5		X		20 MPH
		S4-2P	24	10	1.67							
11+16	LT	R8-3	12	12	1.00			11.5		X		
11+60	RT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-9P	24	12	2.00							FLUORESCENT YELLOW-GREEN
12+92	RT	R8-3	12	12	1.00			11.5		X		
13+44	RT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-7P	24	12	2.00							FLUORESCENT YELLOW-GREEN
		R1-6b	12	36	3.00							FLUORESCENT YELLOW-GREEN
13+68	LT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-7P	24	12	2.00							FLUORESCENT YELLOW-GREEN
		R1-6b	12	36	3.00							FLUORESCENT YELLOW-GREEN
15+60	LT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-9P	24	12	2.00							FLUORESCENT YELLOW-GREEN
16+25	RT	R8-3	12	12	1.00			11.5		X		
16+60	LT	R8-3	12	12	1.00			11.5		X		
18+36	LT	R8-3	12	12	1.00			11.5		X		
18+89	LT	S4-3P	24	8	1.33							FLUORESCENT YELLOW-GREEN
		R2-1	24	30	5.00			13.5		X		20 MPH
		S4-2P	24	10	1.67							
19+35	RT	R1-1	30	30	6.25			13.0		X		
		R1-3P	18	6	0.75							
19+65	LT	R1-1	30	30	6.25			13.0		X		
		R1-3P	18	6	0.75							
20+01	RT	R1-1	30	30	6.25			13.0		X		
		R1-3P	18	6	0.75							
20+10	LT	D3-1(A)	36	8	2.00			14.0		X		S HARRISON ST
		D3-1(E)	36	8	2.00							W WALNUT ST
20+30	LT	R1-1	30	30	6.25			13.0		X		
		R1-3P	18	6	0.75							
21+55	LT	S1-1	30	30	6.25			13.0		X		FLUORESCENT YELLOW-GREEN
		W16-9P	24	12	2.00							FLUORESCENT YELLOW-GREEN
22+80	LT	R2-1	24	30	5.00			13.0		X		30 MPH
TOTAL:	**38**				**195.00**			**480.0**				

SIGN NOTES:
1. STREET SIGN DESIGN CRITERIA: 6" LETTERING, 1.0" RADIUS, NO BORDER, WHITE ON GREEN.
2. SIGN AREA AND POST LENGTH ARE FOR INFORMATION ONLY.
3. FASTEN SIGNS TO THE POST WITH STAINLESS STEEL BOLTS, METAL WASHERS, NYLON WASHERS AND LOCKNUTS.
4. PLACE THE NYLON WASHER BETWEEN THE METAL WASHER AND THE FACE OF THE SIGN.
5. TIGHTEN LOCKNUT SUFFICIENTLY SO THE SIGN IS FIRMLY AGAINST THE POST, WITHOUT DAMAGING THE SIGN.

SCALE VERIFICATION			NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	DRAWN BY	JRW				
	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

WESSLER ENGINEERING More than a Project™

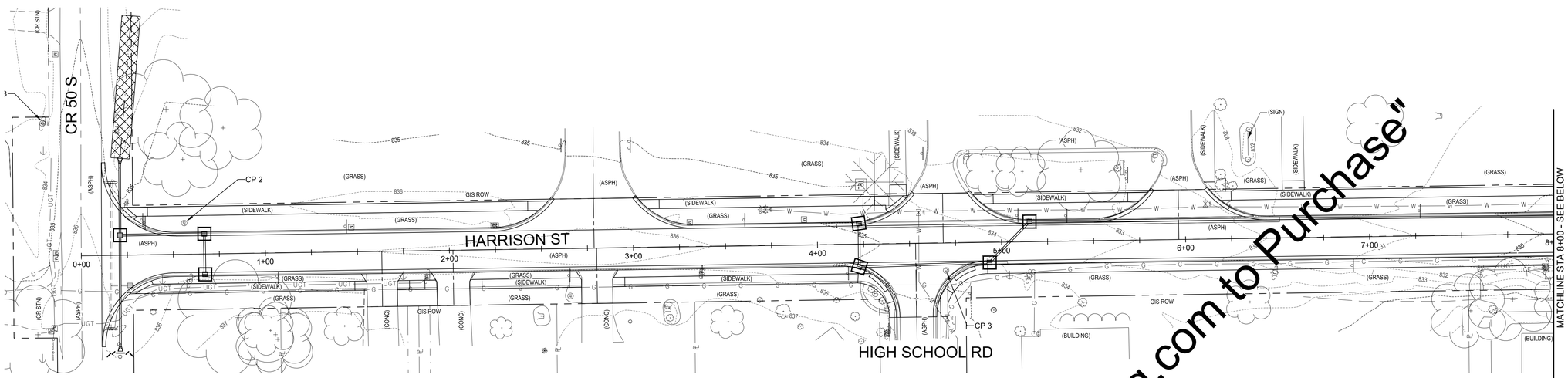
HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

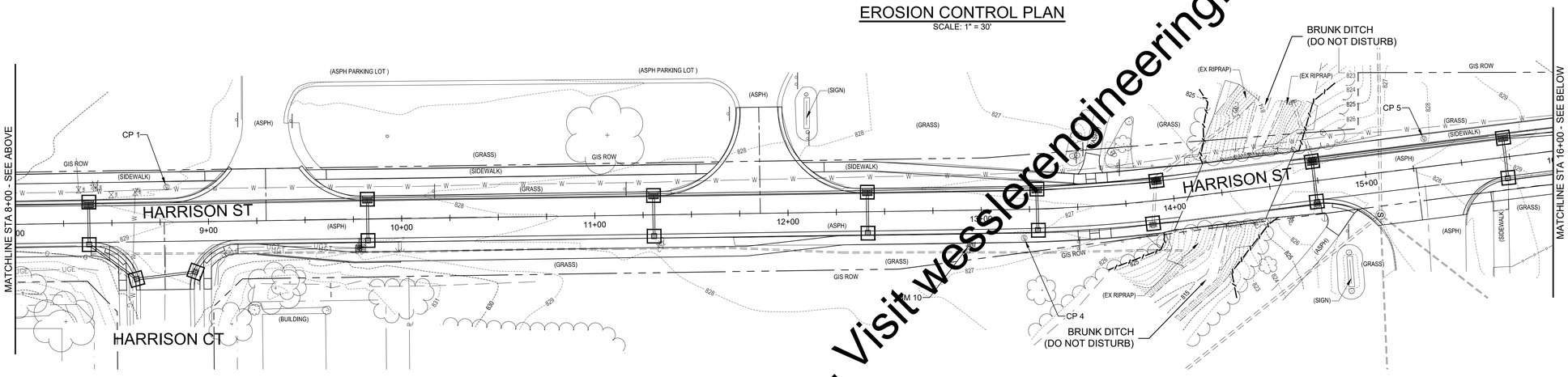
STRUCTURE DATA TABLE, APPROACH TABLE, AND SIGNING TABLE

SHEET NO. 12

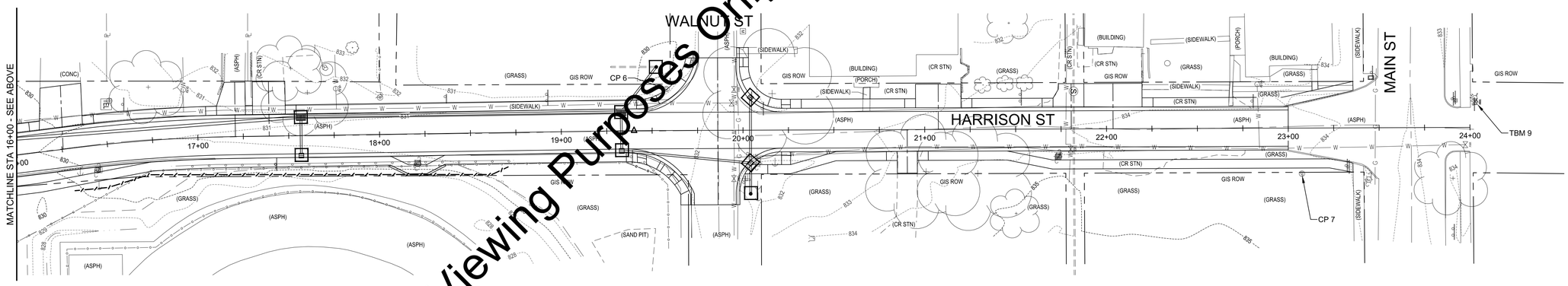
TOTAL SHEETS 22



EROSION CONTROL PLAN
SCALE: 1" = 30'



EROSION CONTROL PLAN
SCALE: 1" = 30'



EROSION CONTROL PLAN
SCALE: 1" = 30'

LEGEND

- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE OR FILTER TUBE

0 15 30 60 FT
1"=30'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS					
	APPROVED BY	JAB					
	ISSUE DATE	MARCH 5, 2018					
	PROJECT NUMBER	200717-04-001					

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 04/05/2018

WESSLER ENGINEERING
More than a Project™

HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

EROSION CONTROL PLAN

SHEET NO. 13

TOTAL SHEETS 22

EROSION CONTROL SCHEDULE

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
NOTIFY IDEM RULE 5 COORDINATOR (317-233-1864) AND 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 BARE 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, CHECK DAMS, 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

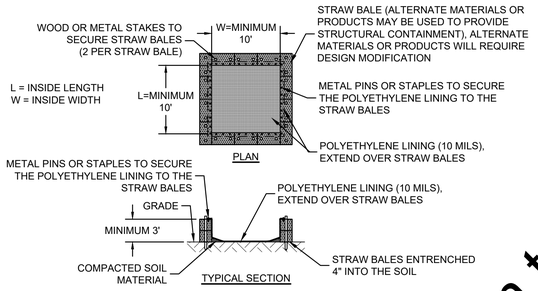
SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING				A								
DORMANT SEEDING		B									B	
TEMPORARY SEEDING			C	E				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" - 1.5" PLANTING DEPTH)
E. = ANNUAL RYEGRASS 40 LB/ACRE (1/4" PLANTING DEPTH)
F. = SOD
G. = ANCHORED STRAW/HAY (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. OPTIMUM 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.

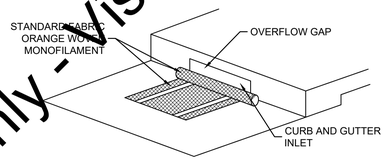


NOTES:
1. LOCATE WASHOUTS AT LEAST 50' FROM ANY CREEKS, WETLANDS, DITCHES, KARST FEATURES, OR STORM DRAIN/CONVEYANCES.

WASHOUT PROCEDURES:
1. DO NOT LEAVE EXCESS 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 A WATERWAY IT IS TO BE PROTECTED.
2. 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.
3. STOP WASHING OUT IN AN AREA IF YOU OBSERVE WATER RUNNING OUT OF THE DESIGNATED AREA OR IF THE WATER IS NOT BEING CONTAINED WITHIN THE WASHOUT AREA.
4. DO NOT BACK FLUSH EQUIPMENT AT THE PROJECT SITE.
5. DO NOT USE ADDITIVES WITH WASH WATER.
6. 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.

CONCRETE WASHOUT
SCALE: NONE



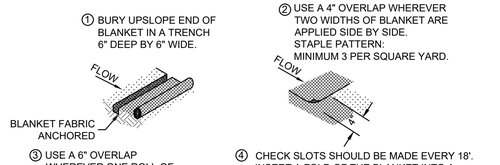
DESIGN CONFORMS TO ALL SHAPES OF CONCRETE CURBS

PRODUCT:
1. DANDY CURB SACK, OR APPROVED EQUAL.

INSTALLATION:
1. REMOVE THE GRATE FROM THE CATCH BASIN AND STAND ON END.
2. CRADLE THE GRATE BETWEEN THE UPPER AND LOWER STRAPS.
3. INSERT THE GRATE INTO THE INLET WITH THE LIFTING DEVICES. LOWER BACK EDGE WITH TUBE INTO PLACE. TUBE SHOULD PARTIALLY BLOCK THE CURB HOOD OPENING.

MAINTENANCE:
1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT.
2. REMOVE THE SEDIMENT THAT HAS ACCUMULATED WITHIN THE FABRIC AS NEEDED.
3. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.

CURB AND GUTTER INLET PROTECTION
SCALE: NONE



PLACE BLANKET PARALLEL TO THE DIRECTION OF FLOW. DO NOT JOIN STRIPS IN THE CENTER OF THE DITCH. USE CHECK SLOTS AS REQUIRED.

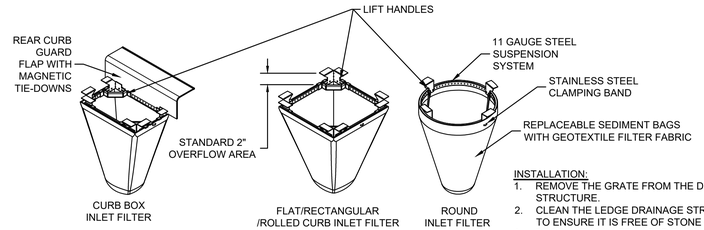
PLACE BLANKET PARALLEL TO THE DIRECTION OF FLOW AND ANCHOR SECURELY. BRING BLANKET TO A LEVEL AREA BEFORE TERMINATING THE INSTALLATION.

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.

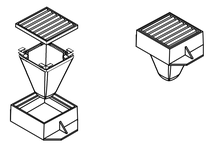
MAINTENANCE:
1. INSPECT FOR EROSION AFTER EACH STORM EVENT DURING VEGETATION ESTABLISHMENT, AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
2. IF ANY AREAS SHOW EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE THE BLANKET.
3. CHECK AREAS PERIODICALLY AFTER VEGETATION ESTABLISHMENT.

EROSION CONTROL BLANKET
SCALE: NONE



INLET FILTER SPECIFICATIONS		
WOVEN GEOTEXTILE SEDIMENT BAG SPECS (2 FT VOL)		
MATERIAL PROPERTY	TEST METHOD	VALUE (AVG)
GRAB TENSILE	ASTM D4632	255 X 275
PUNCTURE STRENGTH	ASTM D4833	135 LB
TRAPEZOIDAL TEAR	ASTM D4533	75 LB
UV RESISTANCE	ASTM D4355	90%
APP OPEN SIZE (AOS)	ASTM D4751	NO. 20 SIEVE
PERMITTIVITY	ASTM D4491	1.5 S^{-1}
WATER FLOW RATE	ASTM D4491	200 GPM/SQFT
SEDIMENT REMOVAL EFFICIENCY (8% MIX)	ASTM D7351	82%

SOURCE: FLEX STORM INLET FILTER



INSTALLATION:
1. REMOVE THE GRATE FROM THE DRAINAGE STRUCTURE.
2. CLEAN THE LEDGE DRAINAGE STRUCTURE TO ENSURE IT IS FREE OF STONE AND DIRT.
3. DROP IN THE INLET FILTER THROUGH THE CLEAR OPENING AND BE SURE THE SUSPENSION HANGERS REST FIRMLY ON THE INSIDE LEDGE.
4. REPLACE THE GRATE.
5. FOR CURB BOX INLET FILTERS: INSERT INLET FILTER AS DESCRIBED ABOVE IN COMBINATION WITH THE CURB BOX FLAP IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE:
1. INSPECT THE INLET FILTER DAILY AND AFTER EACH STORM EVENT AND EMPTY IF THE SEDIMENT BAG IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED BY THE ENGINEER.
2. REMOVE THE GRATE AND LIFT THE INLET FILTER FROM THE DRAINAGE STRUCTURE. DISPOSE OF ACCUMULATED SEDIMENTS AND DEBRIS PROPERLY. MATERIAL SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM.
3. REMOVE ANY CAKED ON SILT FROM THE SEDIMENT BAG AND REVERSE FLUSH THE BAG FOR OPTIMAL FILTRATION.
4. REPLACE THE BAG IF THE INNER FILTER MEMBRANE IS TORN.

INLET PROTECTION
SCALE: NONE

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS				
	APPROVED BY	JAB				
	ISSUE DATE	MARCH 5, 2018				
	PROJECT NUMBER	200717-04-001				

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

WESSLER ENGINEERING
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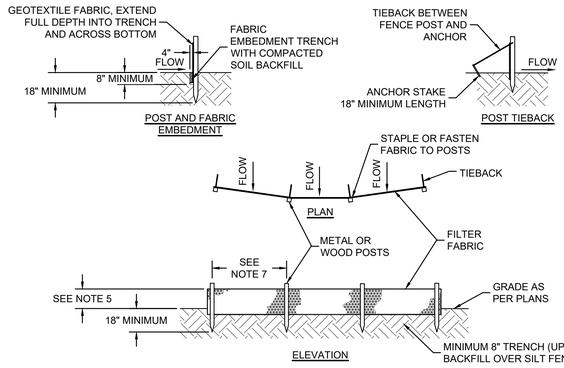
HARRISON STREET RECONSTRUCTION
TOWN OF GREENTOWN, INDIANA
EROSION CONTROL DETAILS

SHEET NO. 14
TOTAL SHEETS 22



NOTES:

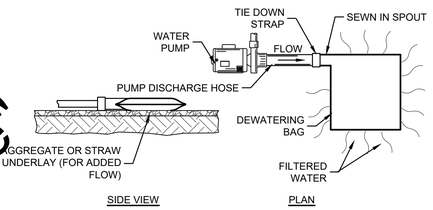
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF WOVEN OR NON-WOVEN GEOTEXTILE FABRIC AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
   a. TEXTILE STRENGTH AT 20% (MAXIMUM) ELONGATION, PER ASTM D4632.
   b. WOVEN EXTRA STRENGTH - 50 LB/LINEAR 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^{-1} (MAXIMUM), ASTM D4491.
2. POSTS FOR SILT FENCES SHALL BE EITHER 2" DIAMETER 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 2" 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 AND POST SPACING IS LESS THAN THE MAXIMUM SPECIFIED 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 IS INEFFECTIVE.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY 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



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

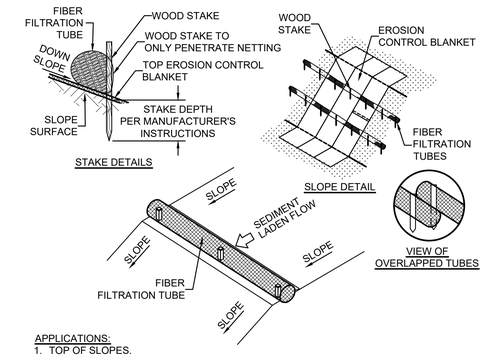
MAINTENANCE:

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

PUMPING BAG

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

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WESSLER ENGINEERING
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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

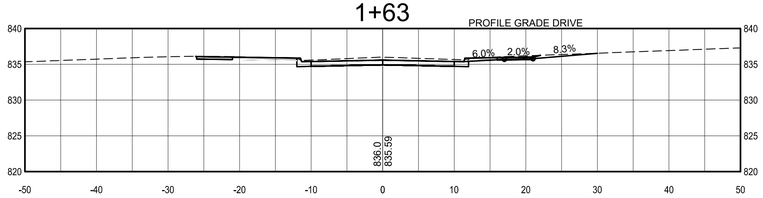
EROSION CONTROL DETAILS

SHEET NO. 15

TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

1+63



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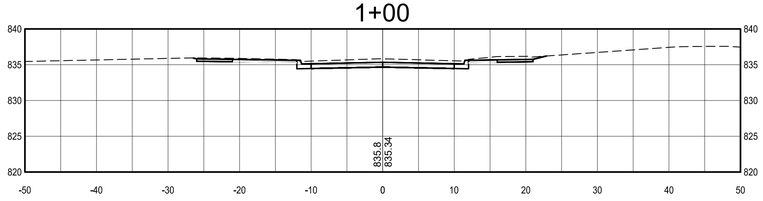

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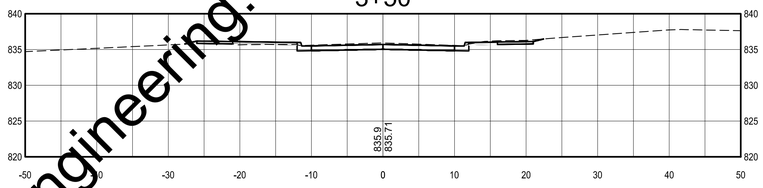

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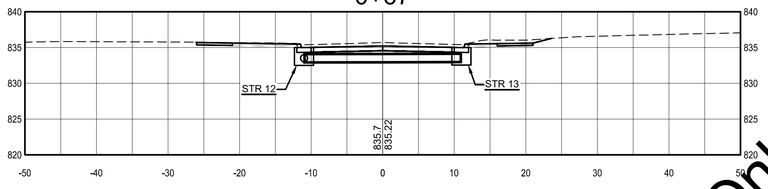

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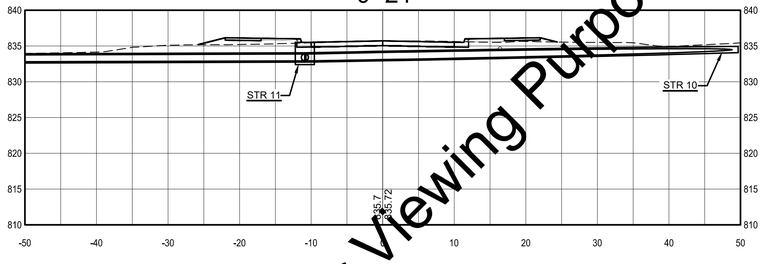
0+21



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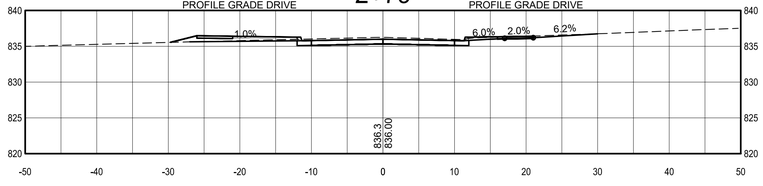

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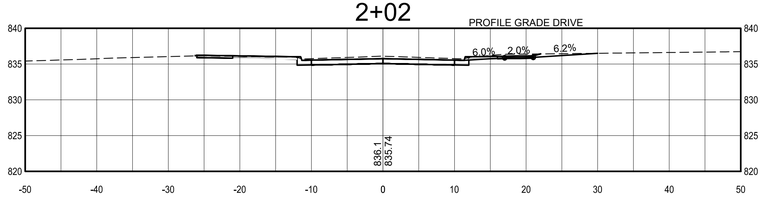

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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

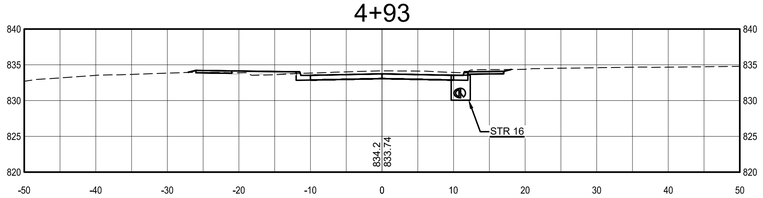
CROSS SECTIONS

SHEET NO. 16

TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

4+93



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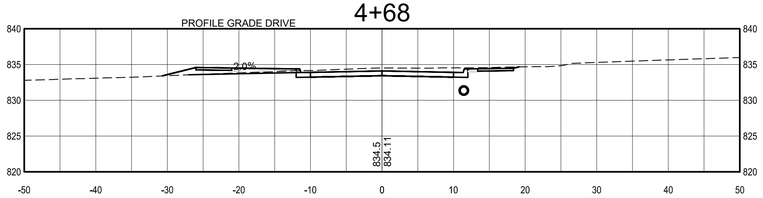

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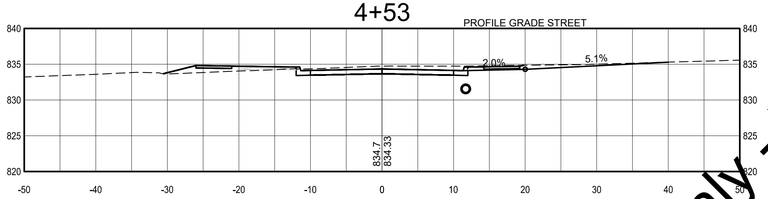

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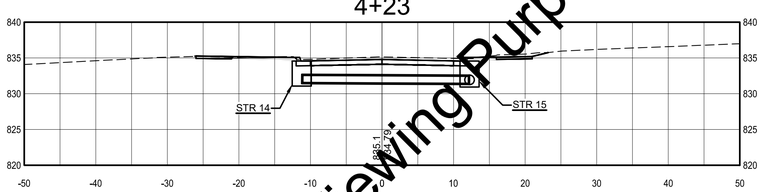

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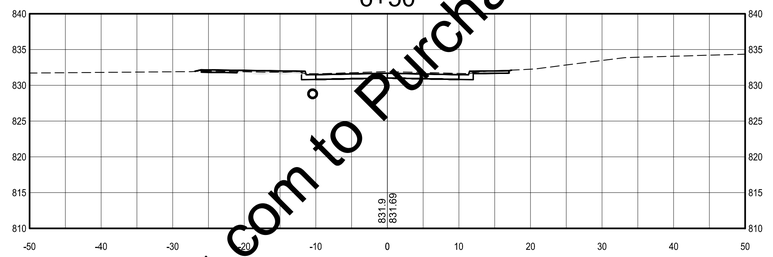

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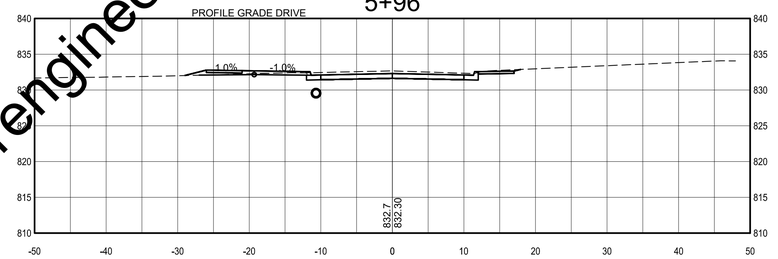

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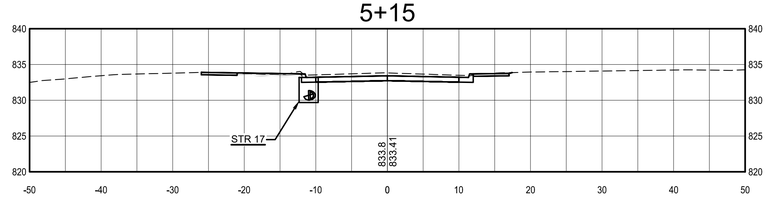

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HARRISON STREET RECONSTRUCTION

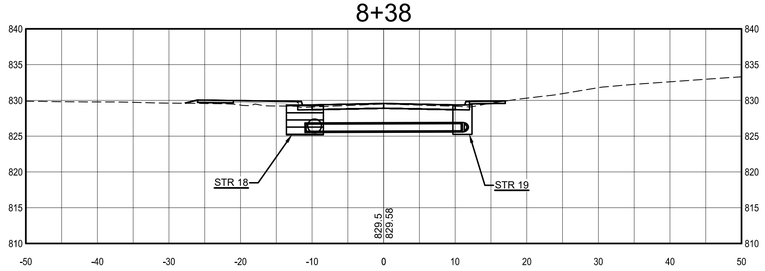
TOWN OF GREENTOWN, INDIANA

CROSS SECTIONS

SHEET NO. 17
TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

8+38



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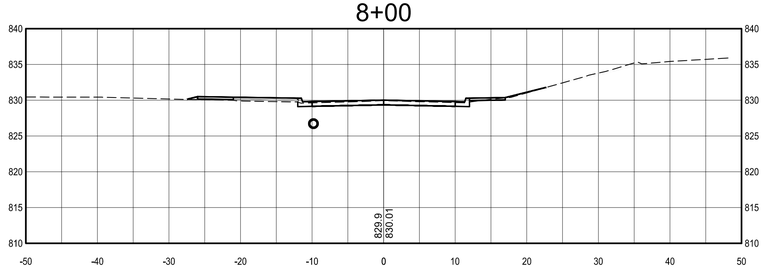

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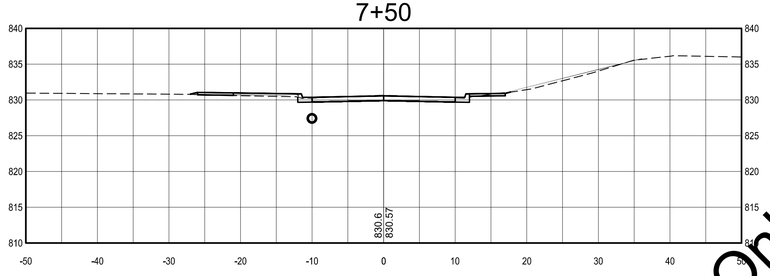

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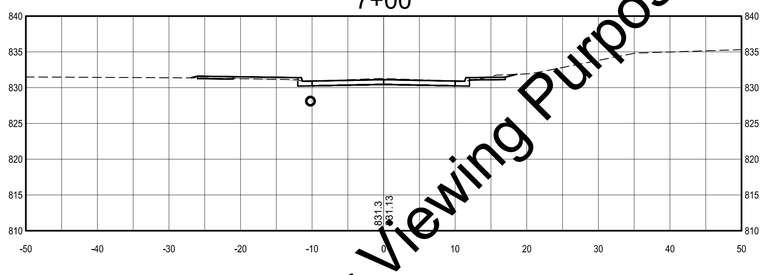

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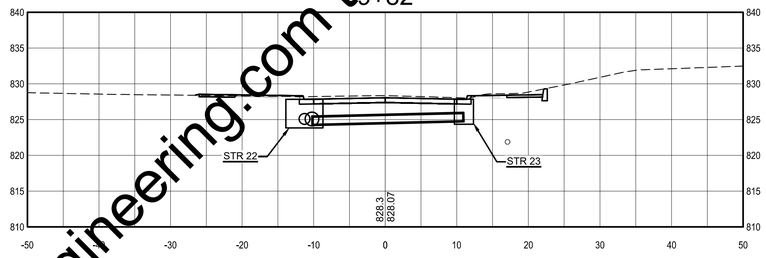

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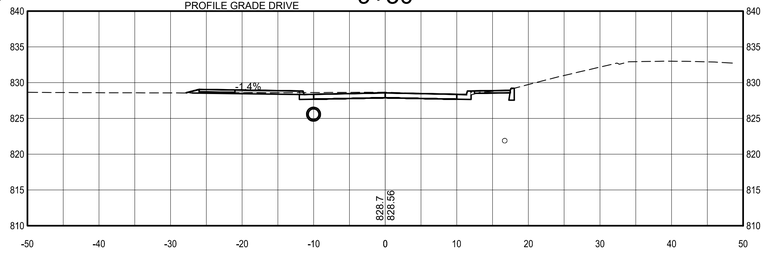

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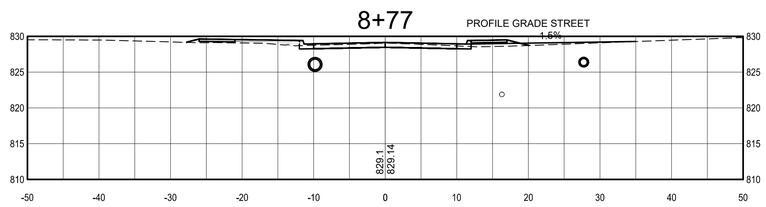

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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

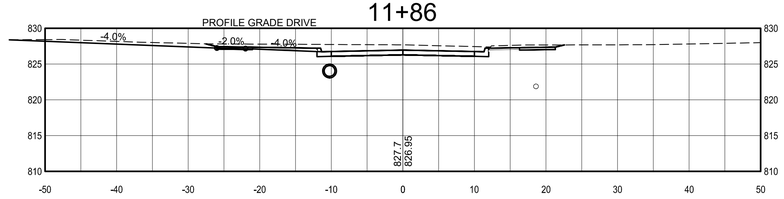
CROSS SECTIONS

SHEET NO. 18

TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

11+86



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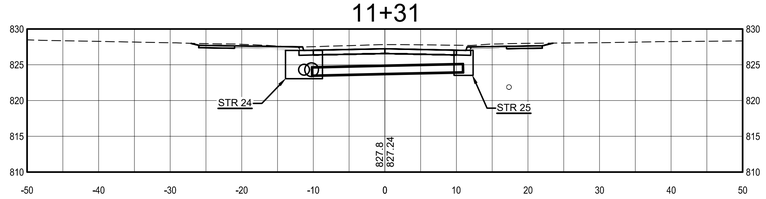

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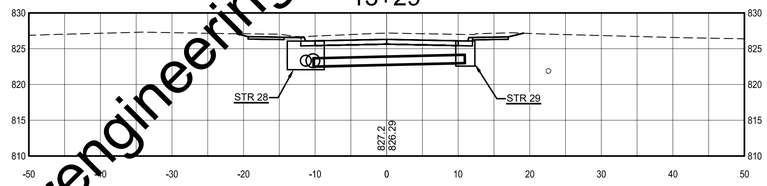

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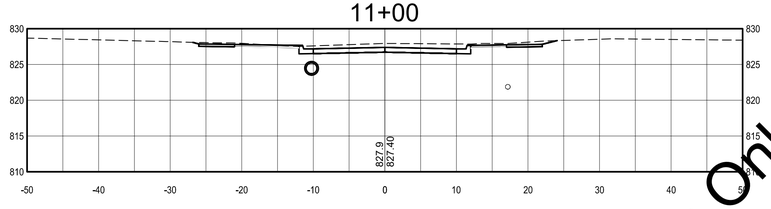

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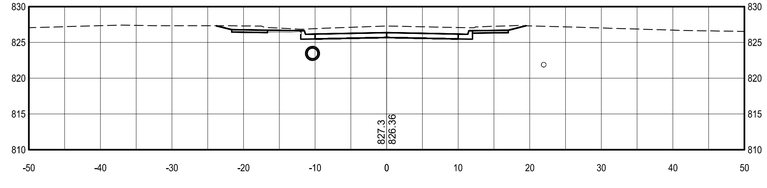

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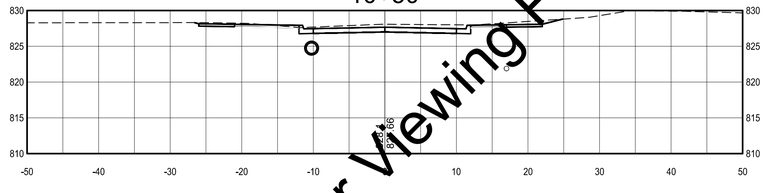

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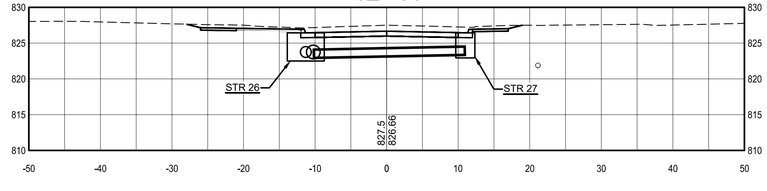

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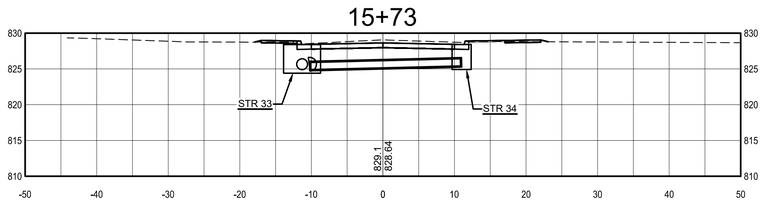
HARRISON STREET RECONSTRUCTION

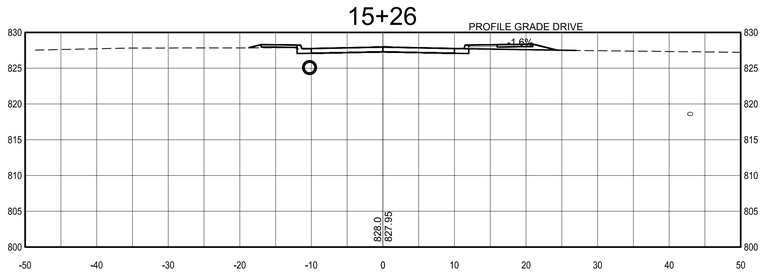
TOWN OF GREENTOWN, INDIANA

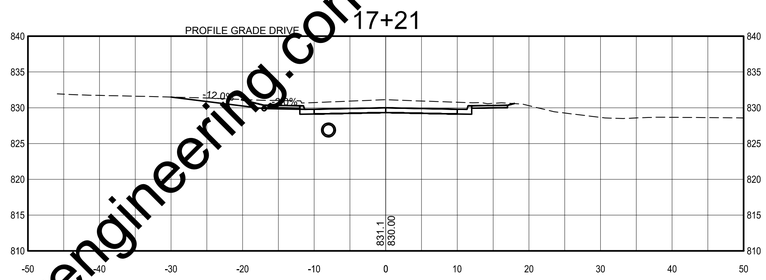
CROSS SECTIONS

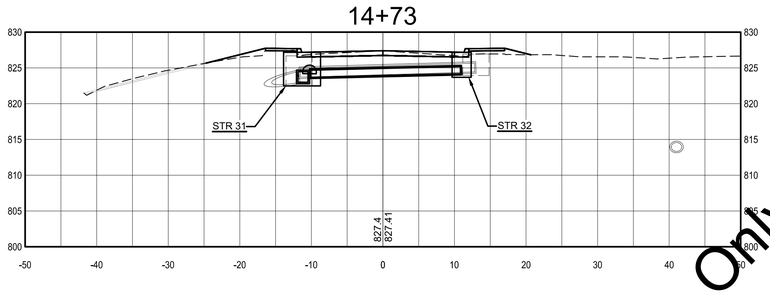
SHEET NO. 19

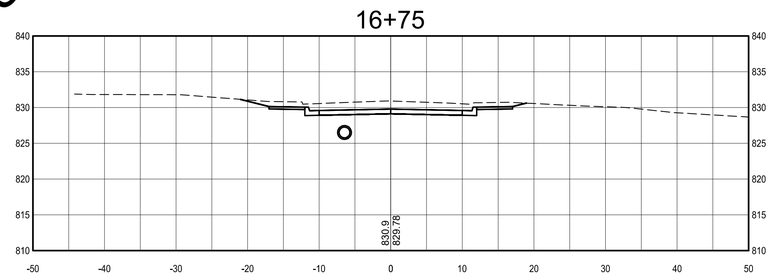
TOTAL SHEETS 22

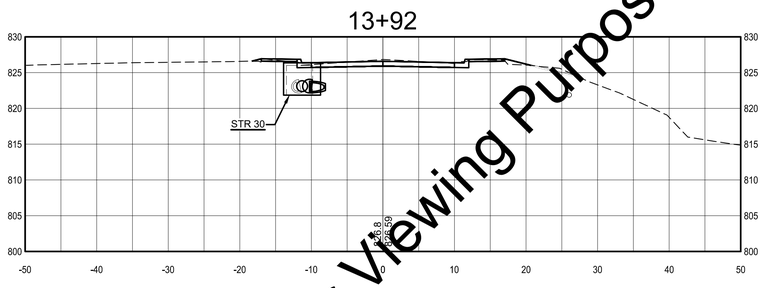


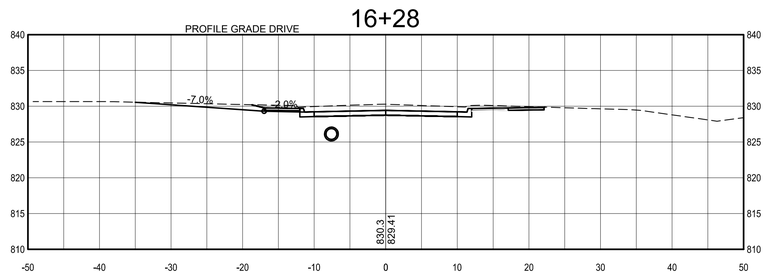












0 5 10 20 FT
1"=10'

SCALE VERIFICATION	DRAWN BY	JRW	NO.	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BAS					
	APPROVED BY	JAB					
	ISSUE DATE	MARCH 5, 2018					
	PROJECT NUMBER	200717-04-001					

JEREMY A. BURNS REGISTERED No. 10403969 STATE OF INDIANA PROFESSIONAL ENGINEER 03/05/2018

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HARRISON STREET RECONSTRUCTION

TOWN OF GREENTOWN, INDIANA

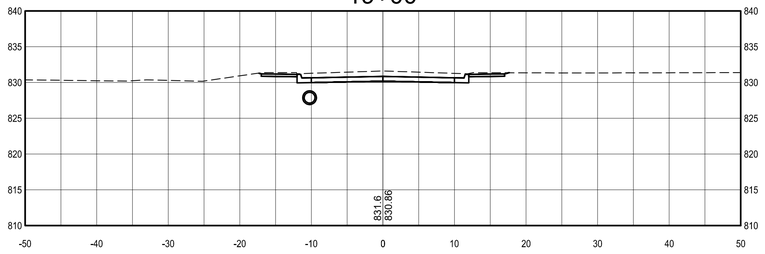
CROSS SECTIONS

SHEET NO. 20

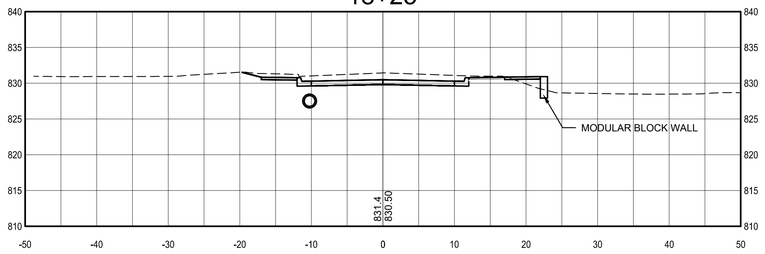
TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

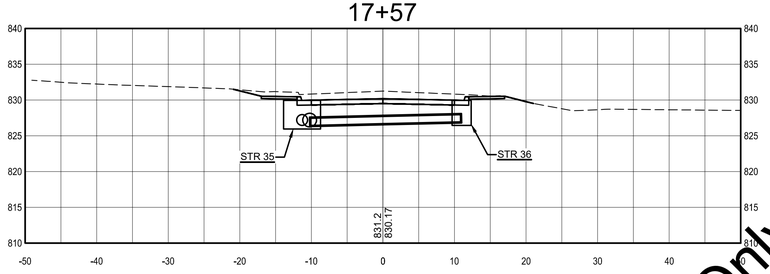
19+00



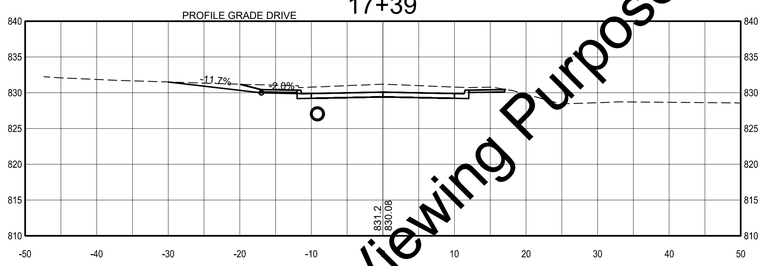
18+25



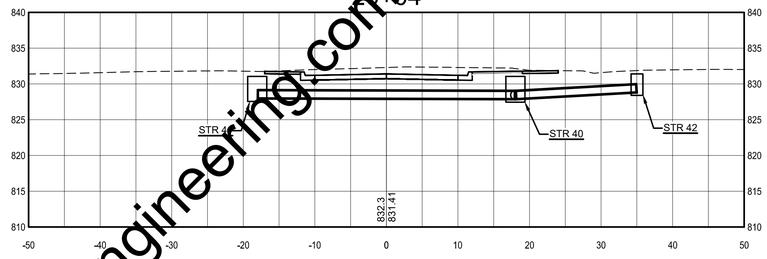
17+57



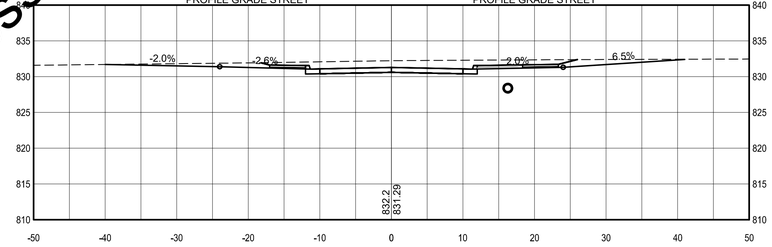
17+39



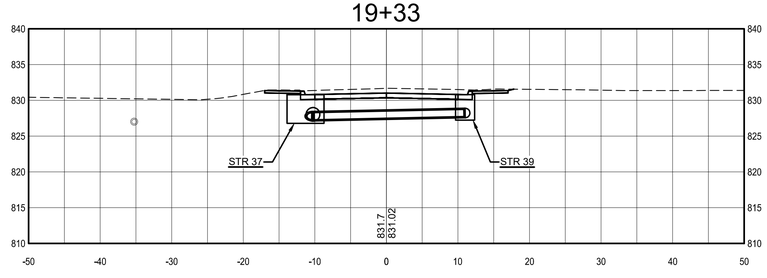
20+04



19+86



19+33



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TOWN OF GREENTOWN, INDIANA

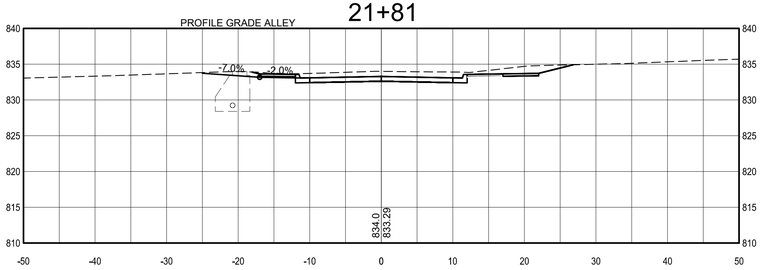
CROSS SECTIONS

SHEET NO. 21

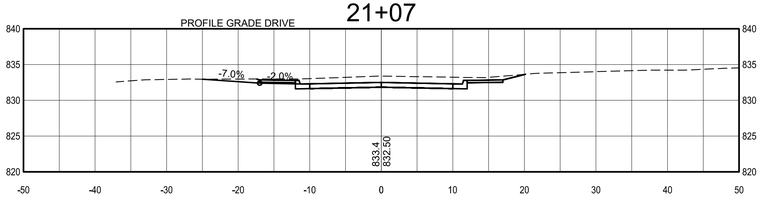
TOTAL SHEETS 22

0 5 10 20 FT
1"=10'

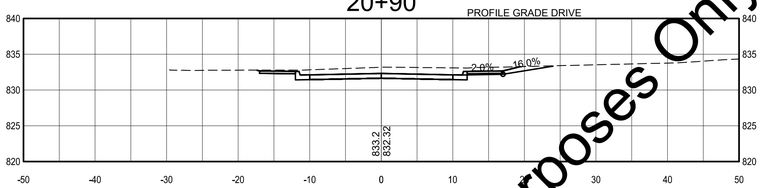
21+81



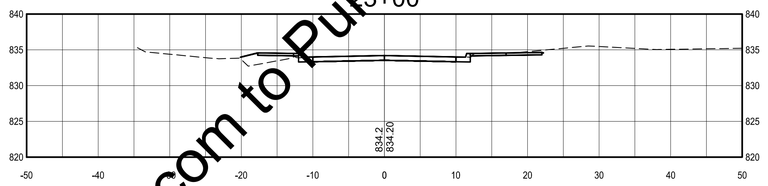
21+07



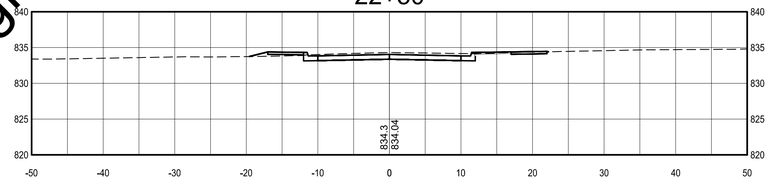
20+90



23+00, END CONSTRUCTION 23+00



22+50



22+04

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TOWN OF GREENTOWN, INDIANA

CROSS SECTIONS

SHEET NO. 22

TOTAL SHEETS 22