EXISTING WETLANDS DO NOT EXIST WITHIN THE PROJECT SITE.

A14 STATE / FEDERAL WATER QUALITY PERMITS

THE PROJECT SITE IS PREDOMINATELY UNDEVELOPED ROW CROP AGRICULTURE FIELD.

THE EXISTING TOPOGRAPHY WITHIN THE PROJECT SITE IS SHOWN ON THE C2.X EXISTING CONDITIONS AND DEMOLITION PLAN(S,

17 LOCATIONS WHERE RUNOFF ENTERS THE PROJECT SITE

A18 SPECIFIC POINTS WHERE EXISTING STORMWATER DISCHARGE WILL LEAVE THE PROJECT SITE

IN THE EXISTING CONDITION, THE SITE DRAINS NORTH EAST TO AN EXISTING STORM STRUCTURE NEAR N. MARLEON DR.

A19 LOCATION OF ALL EXISTING STRUCTURES ON THE PROJECT SITE

REFER TO THE C2.X EXISTING CONDITIONS AND DEMOLITION PLAN(S) FOR LOCATIONS OF EXISTING STRUCTURES

A20 EXISTING PERMANENT RETENTION OR DETENTION FACILITIES

THERE ARE NO EXISTING DETENTION OR RETENTION FACILITIES ARE LOCATED WITHIN THE PROJECT SITE

A21 IDENTIFICATION OF POTENTIAL DISCHARGES TO GROUND WATER

A22 PROJECT AREA

3.53 ± ACRES

A23 EXPECTED LAND DISTURBANCE AREA

3.53 ± ACRES

A24 PROPOSED FINAL TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS

THE PROPOSED TOPOGRAPHY WITHIN THE PROJECT SITE IS SHOWN ON C5.X SERIES GRADING AND DRAINAGE PLAN(S)

FERTILIZER FOR LAWNS - PROVIDE A PAST-HELEASE FERTILIZER FOR LAWN APPLICATIONS. FERTILIZER FOR TREES / SHRUBS - PROVIDE A SUW-RELEASE GRAVILAR FERTILIZER FOR TREE / SHRUB APPLICATIONS. REMOVE TRASH, DEBRIS, STONES LARGER THAN I INCH IN DIAMETER, AND OTHER OBJECTS THAT MAY INTERFERE WITH PLANT ESTABLISHEMENT, FIRE ARORD SOIL SURFACE TO A SMOOTH FIRISH APPLY SEED UISING A SPREADER OR SECOND MACHIE AND DO NOT SEED WHEN WIND VELOCITIES ARE IN EXCESS OF 5 MPH. WHEN SOWING, APPLY IN TWO DIRECTIONS THAT ARE PERPENDICULAR TO CAPH OTHER.

1.5. RAKE SEED LIGHTLY INTO THE TOP 1/8 INCH OF SOIL, ROLL LIGHTLY, AND WATER WITH A FINE SPRAY

PROTECT FRESHLY SOWED SEED BY INSTALLING A LAYER OF CLEAN, SEED-FREE STRAW MULCH UNIFORMLY TO PROVIDE A BLANKET NOT LESS THAN 11/2 INCHES THICK.

1.7. GENTLY WATER AREA TO KEEP STRAW MOIST UNTIL THE SEEDS HAVE ESTABLISHED.

B4 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS

RSION SWALES, EROSION CONTROL BLANKET, ROCK DONUTS AND CHECK DAMS, AND TEMPORARY SEDIMENT BASINS WILL BE USEG DNIROL SEDIMENT IN CONCENTRATED FLOW AREAS SEE EROSION CONTROL FLAIS SHEETS FOR LOCATIONS OF THESE WEASURES ON CONTROL MEASURES ARE TO BE INSPECTED ATTER EVERY MAJOR RAINFALL EVENT TOTALING 127° OF BANI OR VORE AND A

WATER REMOVED FROM TRAPS, BASINS, AND OTHER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIME CONTROL AND/OR FILTRATION DEVICE, WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM

SILT FENCES AND STRAW BALES ARE NOT AN ACCEPTABLE MEASURES FOR CONCENTRATED FLOW PROTECTION

REFER TO C4.X SERIES EROSION CONTROL PLAN(S) FOR SHEET FLOW AREAS TO BE PROTECTED BY SEEDING, MULCHING, SILT FENCE OR HYDROSEEDING. IF CONCENTRATED FLOW IS EXPERIENCED DUE TO INTERIM GRADING DURING CONSTRUCTION, CONTRACTOR SHALL JITLIZE EROS ON CONTROL BLANKETS AND ROCK DONUTS AT INLET LOCATIONS TO SLOW RUNOFF AND REDUCE THE POTENTIAL FOR FROSION AND SEDIMENTATION.

AREAS OF CONCENTRATED FLOW WILL BE PROTECTED WITH PERMANENT RIP RAP AT PIPE OUTLETS AND EROSION CONTROL BLANKET IN

B7 STORM WATER OUTLET PROTECTION SPECIFICATIONS

15 LEAVE PERMANENT EROSION CONTROL MEASURES IN PLACE

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTRIOL DESIGN AND SHOULD NOT BE RELED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PARTALED PHASING AND CONSTRUCTION SEQUENCING NECESSARY OC CONSTRUCT THE PROPOSED IN PROPOSED IN

B13 EROSION & SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS THE ENTIRE PROJECT SITE IS UNDER THE SAME OWNER, THERE ARE NOT ANY INDIVIDUAL BUILDING LOTS.

B14 MATERIAL HANDLING AND SPILL PREVENTION PLAN

SOIL INCLUSION TRAFFIC MUST ENTER AND EXIT THE SITE AT THE STABILIZED CONSTRUCTION ENTRANCE. A WHEEL WASH SHALL BE USED BY THE CONTRACTOR IF REQUESTED BY THE MUNICIPALITY, PRIOR TO LEXING THE SITE. THE PURPOSE IS TO TRAP DUST AND MULD THAT WOULD OTHERWISE BE CARRIED OFF-SITE BY CONSTRUCTION TRAFFIC. ALL DIRT TRACKED ONTO PUBLIC AND PRIVATE STREETS SHALL BE CLEANED BY THE END OF DAY AT A MINYUM.

WATER TRUCKS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON THE SITE. DUST CONTROL MUST BE PROVIDED BY THE GENERAL CONTRACTOR TO A DEGREE THAT IS IN COMPLIANCE WITH APPLICABLE LOCAL AND STATE DUST CONTROL REGULATIONS. AFTER CONSTRUCTION, THE SITE WILL BE STABILIZED (AS DESCRIBED ELSEWHERE), WHICH WILL REDUCE THE POTENTIAL FOR DUST GENERATION.

31. NON-STORMWATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION, W DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OF RRIVATE WELL APPROVED BY THE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLICS MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES. 4. CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS

4.1. DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE

DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIED AREAS THAT HAVE BEEN PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE AND/OR WASH WATER AND STORMWATER THAT WILL BE DISCHARGED FROM THE SITE OR IN LOCATIONS WHERE WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIPAR OR OTHER USEFUL CONCRETE PRODUCTS. THE CURED RESIDUE FROM THE CONCRETE WASHOUT DIKED AREAS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS. THE JOBSITE SUPERINTENDENT IS RESPONS BLE FOR ASSURING THAT THESE PROCEDURES ARE FOLLOWED.

C6 ENTITY RESPONSIBLE FOR OPERATIONS AND MAINTENANCE OF POST CONSTRUCTION STORMWATER MEASURES

SAME AS OWNER REPRESENTATIVE: TELEPHONE: XXXX

> SUITE HOTI & N MARLE IN 47304 Ш E2 HOME2 MUNCIF

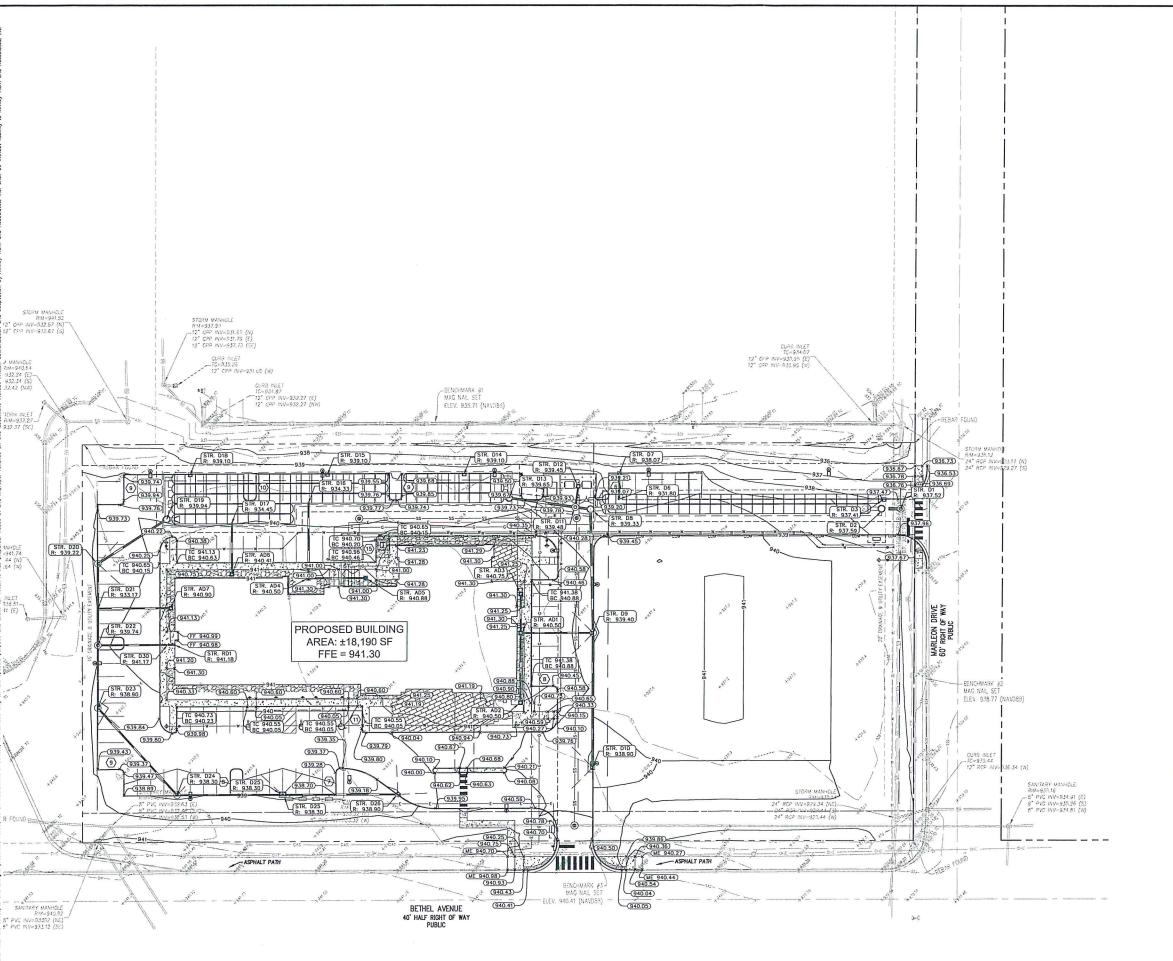
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C4.2





# **GRADING LEGEND**

√XXX.XX) FINISHED GRADE SPOT ELEVATION TOP OF CURB / BOTTOM OF CURB SPOT ELEVATION FL XXX.XX X ME XXX.XX MATCH EXISTING SPOT ELEVATION (FF XXX.XX) FINISHED GRADE NEAR BUILDING SPOT ELEVATION FG XXX.XX (TW XXX.XX) TOP OF WALL SPOT ELEVATION X BW XXX.XX BOTTOM OF WALL SPOT ELEVATION R XXX.XX STR XX R XXX.XX STR XX INV XXX.XX RIM ELEVATION STRUCTURE ID & RIM ELEVATION STRUCTURE ID & INVERT ELEVATION PROPOSED CONTOUR RIDGE RIDGE LINE XXXX SLOPE AND FLOW DIRECTION 100-YEAR OVERLAND OVERFLOW ROUTE  $\Diamond$ DETENTION BASIN 100-YEAR EMERGENCY PROPOSED SWALE PROPOSED STORM SEWER PROPOSED STORM STRUCTURES PROPOSED STORM/SANITARY CLEANOUT PROPOSED WATER STRUCTURES PROPOSED LIGHT POLES PROPOSED TRANSFORMER PAD 

# **EXISTING LEGEND**

CONTROL BENCHMARK SANITARY CLEANOL MONITOR WELL GAS MARKER ROW MONUMENT SANITARY WANHOLE GAS METER VENT PIPE GAS VALVE AC UNIT B MAIL BOX STORM CURB INLET O UTILITY POLE STORM INLET AREA LIGHT STORM ROOF DRAI ELECTRICAL BOX O SOIL BORING STORM DRAIN MANHOL HANDICAP SYMBOL ELECTRICAL HAND HOLE ELECTRICAL METER STORM YARD DRAIN FIRE DEPT CONNECTIO C CABLE MANHOLE
C CABLE PEDESTAL ELECTRICAL MANHOLE FIRE HYDRANT ELECTRICAL MARKER IRRIGATION VALVE TELEPHONE PEDESTAL ELECTRICAL TRANSFORMER POST INDICATOR VALV TELEPHONE HAND HOLE GUY POLE/WRE TELEPHONE MARKER POWER POLE WATER METER TELEPHONE MANHOLE TRAFFIC MANHOLE OTT TRAFFIC SIGNAL POLE WATER VALVE FIBER OPTIC MAKER TREE / STUMP — SS — SANITARY SEWER — FIB — SD - STORM DRAIN ------ OHE ------- OVERHEAD ELECTRICAL W WATER LINE
TREE LINE

# **BENCHMARKS**

SITE BENCHMARKS: (LOCATIONS SHOWN ON SURVEY)

NCHMARK #1 MAG NAIL SET ALONG NORTH PROPERTY LINE

BENCHMARK #2 MAG NAIL SET ALONG EAST PROPERTY LINE IN MARLEON RO LEVATION=938.77 (NAVDBB)

CHMARK #3 MAG NAIL SET ALONG IN BETHEL AVE ROW IN ASPHALT TR (ATION=940.41 (NAVDBB)

# HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

Kimley >> Horn

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AND PLAN

GRADING A DRAINAGE I

AND A IREET, St. 46240 -9560 COM

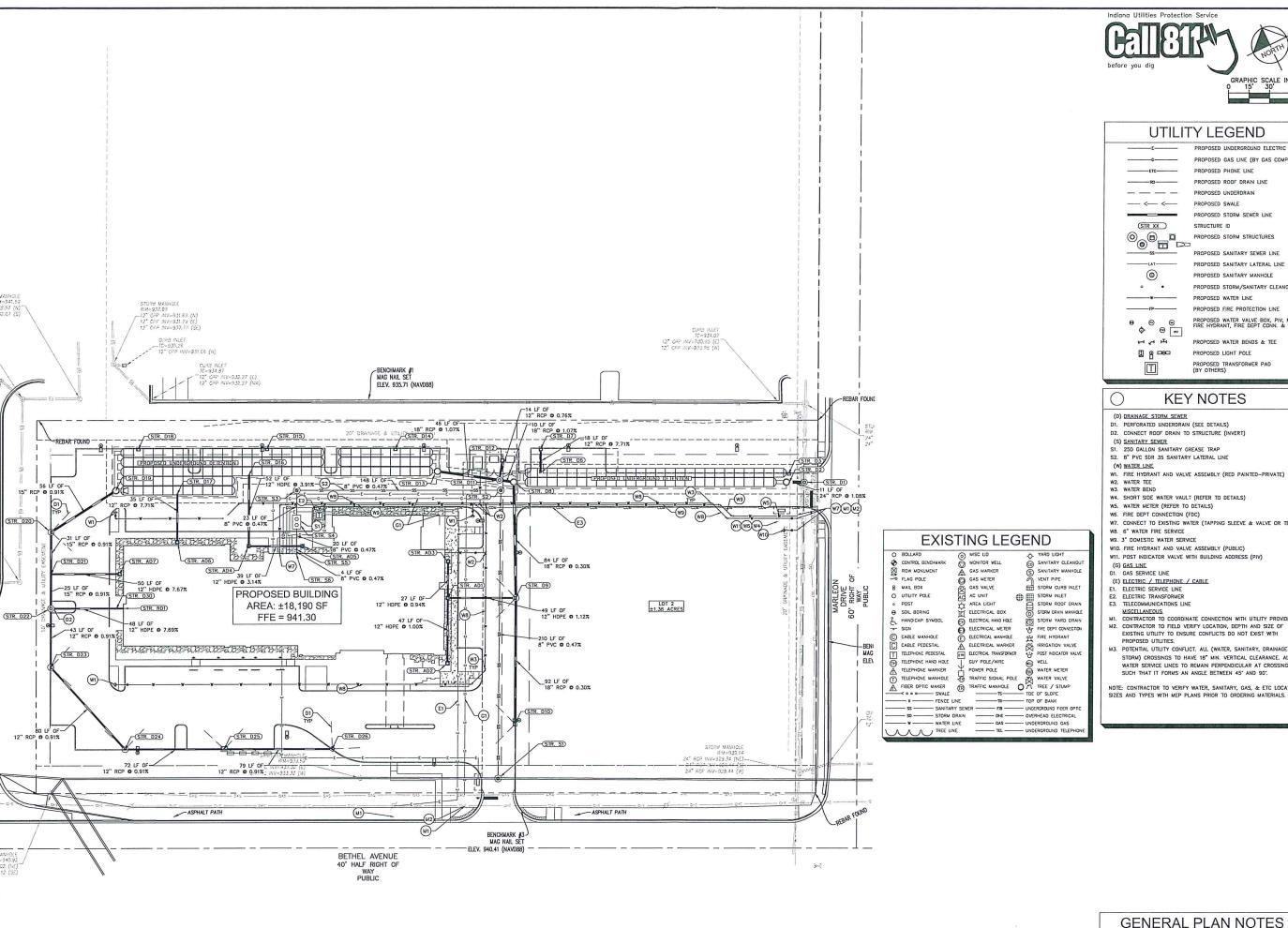
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# **GENERAL PLAN NOTES**

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)





**UTILITY LEGEND** 

PROPOSED GAS LINE (BY GAS COMPANY) PROPOSED ROOF DRAIN LINE PROPOSED UNDERDRAIN

PROPOSED STORM SEWER LINE STR XX STRUCTURE ID PROPOSED STORM STRUCTURES

PROPOSED SANITARY LATERAL LINE

PROPOSED SANITARY MANHOLE PROPOSED STORM/SANITARY CLEANOUT PROPOSED WATER LINE

PROPOSED FIRE PROTECTION LINE PROPOSED WATER VALVE BOX, PIV, METER FIRE HYDRANT, FIRE DEPT CONN. & VAULT ф ® \_\_\_

PROPOSED WATER BENDS & TEE PROPOSED LIGHT POLE PROPOSED TRANSFORMER PAD (BY OTHERS)

# **KEY NOTES**

(D) DRAINAGE STORM SEWER

1. PERFORATED UNDERDRAIN (SEE DETAILS)

D2. CONNECT ROOF DRAIN TO STRUCTURE (INVERT)

S1. 250 GALLON SANITARY GREASE TRAP

S2. 8" PVC SDR 35 SANITARY LATERAL LINE

W4. SHORT SIDE WATER VAULT (REFER TO DETAILS)

W5. WATER METER (REFER TO DETAILS)

W6. FIRE DEPT CONNECTION (FDC) W7. CONNECT TO EXISTING WATER (TAPPING SLEEVE & VALVE OR TEE)

W8. 6" WATER FIRE SERVICE

W9. 3" DOMESTIC WATER SERVICE

WIO, FIRE HYDRANT AND VALVE ASSEMBLY (PUBLIC)

W11. POST INDICATOR VALVE WITH BUILDING ADDRESS (PIV)

(E) ELECTRIC / TELEPHONE / CABLE

MISCELLANEOUS.

MI. CONTRACTOR TO COORDINATE CONNECTION WITH UTILITY PROVIDER.

MZ. CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING UTILITY TO ENSURE CONFLICTS DO NOT EXIST WITH

PROPOSED UTILITIES. M3. POTENTIAL UTILITY CONFLICT. ALL (WATER, SANITARY, DRAINAGE

STORM) CROSSINGS TO HAVE 18" MIN. VERTICAL CLEARANCE. ALL WATER SERVICE LINES TO REMAIN PERPENDICULAR AT CROSSING IN SUCH THAT IT FORMS AN ANGLE BETWEEN 45' AND 90'.

NOTE: CONTRACTOR TO VERIFY WATER, SANITARY, GAS, & ETC LOCATIONS SIZES AND TYPES WITH MEP PLANS PRIOR TO ORDERING MATERIALS.

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

PLAN

UTILITY

**Kimley** » Horn

CSM

CSM

ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001 SHEET NUMBER

C6.0



				STORM SEWER ST E: DEBRIS GUARD RE SHALL BE LABELED "	QUIRED O	N ALL EN	D SECTION				
STR. NO:	STRUCTURE/CASTING TYPE NOTE: NEENAH CASTINGS	T.O.R.	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE (%)	CONNECT TO STRUCTURE	REMARKS	NORTHING	EASTING
AD1	TYPE "A" INLET - R-3472	940.50	12" HDPE 933.09 (SW) [AD2] 12" HDPE 936.45 (NE) [AD3]	12" HDPE 933.09 (SE) [D9]	49'	12*	1.12%	D9		1811452.99	392116.44
AD2	TYPE "A" INLET - R-3472	940.50		12" HDPE 933.56 (NE) [AD1]	47'	12"	1.00%	AD1		1811410.14	392096.02
AD3	TYPE "A" INLET - R-3472	940.75		12" HDPE 936.70 (SW) [AD1]	27'	12*	0.94%	AD1		1811476.96	392127.86
AD4	TYPE "A" INLET - R-4342	940.50	12" HDPE 935.23 (SE) [AD5]	12" HDPE 935.23 (NE) [D16]	52'	12"	3.91%	D16		1811549.36	392002.05
AD5	TYPE "A" INLET - R-4342	940.88		12" HDPE 936.45 (NW) [AD4]	39'	12"	3.14%	AD4		1811532.61	392037.19
AD6	TYPE "A" INLET - R-3472	940.41		12" RCP 935.90 (NE) [D17]	35'	12"	7.71%	D17		1811574.43	391956.41
AD7	TYPE "A" INLET - R-3472	940.90		12" HDPE 935.85 (NW) [D21]	50'	12"	7.67%	D21		1811571.50	391909.01
D1	TYPE "C" MH - R-1772	937.52	24" RCP 929.28 (SW) [43] 24" RCP 929.38 (NW) [D2]	24" RCP 929.28 (NE) [44]	57'	24"	0.03%	44		1811417.72	392386.40
D2	OUTLET CONTROL STR	937.59		24" RCP 929.50 (SE) [D1]	111	24"	1.08%	D1		1811422.48	392376.64
D3	TYPE "A" INLET - R-3010	937.41								1811428.45	392378.93
D7	TYPE "A" INLET - R-3010	938.07		12" RCP 931.90 (SW) [D6]	18'	12"	7.71%	D6		1811522.38	392223.68
D9	TYPE "C" MH - R-3010	939.40	18" RCP 930.75 (SW) [D10] 12" HDPE 932.53 (NW) [AD1]	18" RCP 930.75 (NE) [D8]	84'	18"	0.30%	D8		1811431.69	392161.12
D10	TYPE "A" INLET - R-3010	938.90		18" RCP 931.03 (NE) [D9]	92'	18"	0.30%	D9		1811348.94	392121.68
D11	TYPE "C" MH - R-1772	939.48	18" RCP 930.61 (NW) [D13] 12" RCP 932.12 (NE) [D12]	18" RCP 930.61 (SE) [D8]	10*	18"	1.07%	D8		1811514.58	392186.78
D12	TYPE "A" INLET - R-3472	939.45		12" RCP 932.23 (SW) [D11]	14'	12"	0.76%	D11		1811526.63	392194.76
D14	TYPE "A" INLET - R-3010	939.10								1811567.82	392128.34
D15	TYPE "A" INLET - R-3010	939.10								1811607.90	392044.24
D16	INSERTA TEE		12" HDPE 933.20 (SW) [AD4]							1811596.15	392024.35
D17	INSERTA TEE		12" RCP 933.20 (SW) [AD6]							1811606.02	391971.47
D18	TYPE "A" INLET - R-3010	939.10								1811647.99	391960.13
D20	TYPE "C" MH - R-3010	939.22	15" RCP 931.51 (SW) [D21]	15" RCP 931.51 (E) [D19]	56'	15*	0.91%	D19		1811620.48	391877.23
D21	INSERTA TEE		15" RCP 931.78 (SW) [D22] 12" HDPE 932.03 (SE) [AD7]	15" RCP 931.78 (NE) [D20]	31'	15*	0.91%	D20		1811592.91	391864.09
D22	TYPE "C" MH - R-1772	939.74	12" RCP 932.01 (SW) [D23] 12" HDPE 932.51 (SE) [D30]	15" RCP 932.01 (NE) [D21]	25'	15*	0.91%	D21		1811570.26	391853.30
D23	TYPE "C" MH - R-3010	938.90	12" RCP 932.40 (S) [D24]	12" RCP 932.40 (NE) [D22]	43'	12"	0.91%	D22		1811531.77	391834.96
D24	TYPE "C" MH - R-3010	938.30	12" RCP 933.13 (SE) [D25]	12" RCP 933.13 (N) [D23]	80'	12*	0.91%	D23		1811454.66	391858.03
D25	TYPE "B" INLET - R-3287-15	938.30	12" RCP 933.79 (SE) [D26]	12" RCP 933.79 (NW) [D24]	72'	12"	0.91%	D24		1811423.68	391923.02
D26	TYPE "A" INLET - R-3010	938.90		12" RCP 934.50 (NW) [D25]	79'	12"	0.91%	D25		1811389.87	391993.96
D30	STORM CLEANOUT	941.17	12" HDPE 936,17 (SE) [RD1]	12" HDPE 936.17 (NW) [D22]	4B*	12"	7.69%	D22		1811549.82	391895.19
RD1	ROOF DRAIN	941.18		12" HDPE 936.55 (NW) [D30]	5'	12"	7.69%	D30		1811547.67	391900.70

			SANIT	TARY SEWER STRUC	TURE DAT	A TABLE			
STR. NO:	STRUCTURE/CASTING TYPE NOTE: NEENAH CASTINGS	T.O.R.	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TD STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE (%)	CONNECT TO STRUCTURE	REMARKS
S1	48" SAN MH	940.32	8" PVC 933.70 (SE) [65] 8" PVC 933.70 (NE) [S2]	8" PVC 933.70 (NW) [66]	100'	8*	0.38%	66	
S2	48" SAN MH	939.61	8" PVC 934.68 (NW) [S3]	8" PVC 934.68 (SW) [S1]	210'	8"	0.47%	S1	
S3	48" SAN MH	939.92	8" PVC 935.38 (SW) [S4]	8" PVC 935.38 (SE) [S2]	148'	8*	0.47%	S2	
54	250 GALLON SAN GREASE TRAP	940.57	8" PVC 935.57 (SW) [S5]	8" PVC 935.49 (NE) [S3]	23'	8*	0.47%	S3	
S5	6" SAN CO	940.69	8" PVC 935.66 (SW) [S6]	8" PVC 935.66 (NE) [S4]	20'	8-	0.47%	S4	
S6	CONNECT TO BUILDING	940.80		8" PVC 935.68 (NE) [S5]	4'	8*	0.47%	S5	

DESIGNED BY: CONE DISCORDED KIMPLEY WHO ASSOCIATE, INC.

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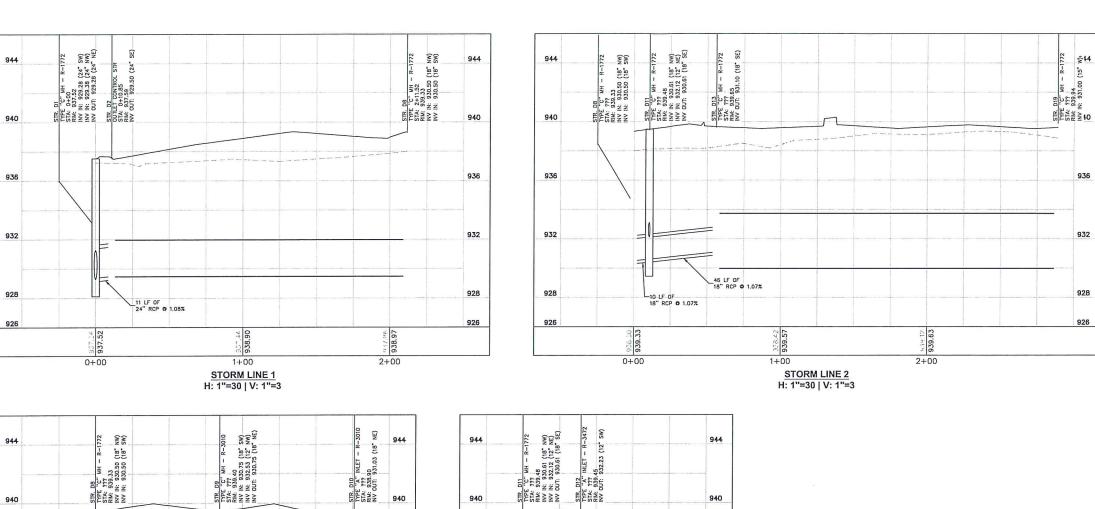
UTILITY PLAN

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

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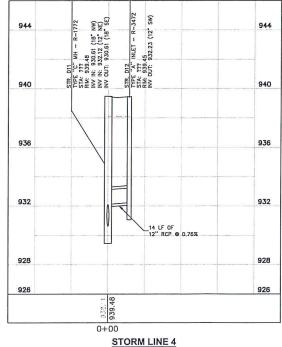
936

932

928

926

0+00



H: 1"=30 | V: 1"=3

936

932

928

926

92 LF OF 18" RCP 0 0.30%

\_84 LF OF 18" RCP © 0.30%

STORM LINE 3 H: 1"=30 | V: 1"=3

1+00

PROFILE LEGEND

EXISTING PROFILE GRADE

C6 2

SEALE.
AS NOTED

DESIGNED BY: CSW KIRMLEY-HORN AND ASSIGNEE, INC.
NONAMADUS. IN 46240

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OHECKED BY: CSW WINNAMALY-HORN CON. 4 2

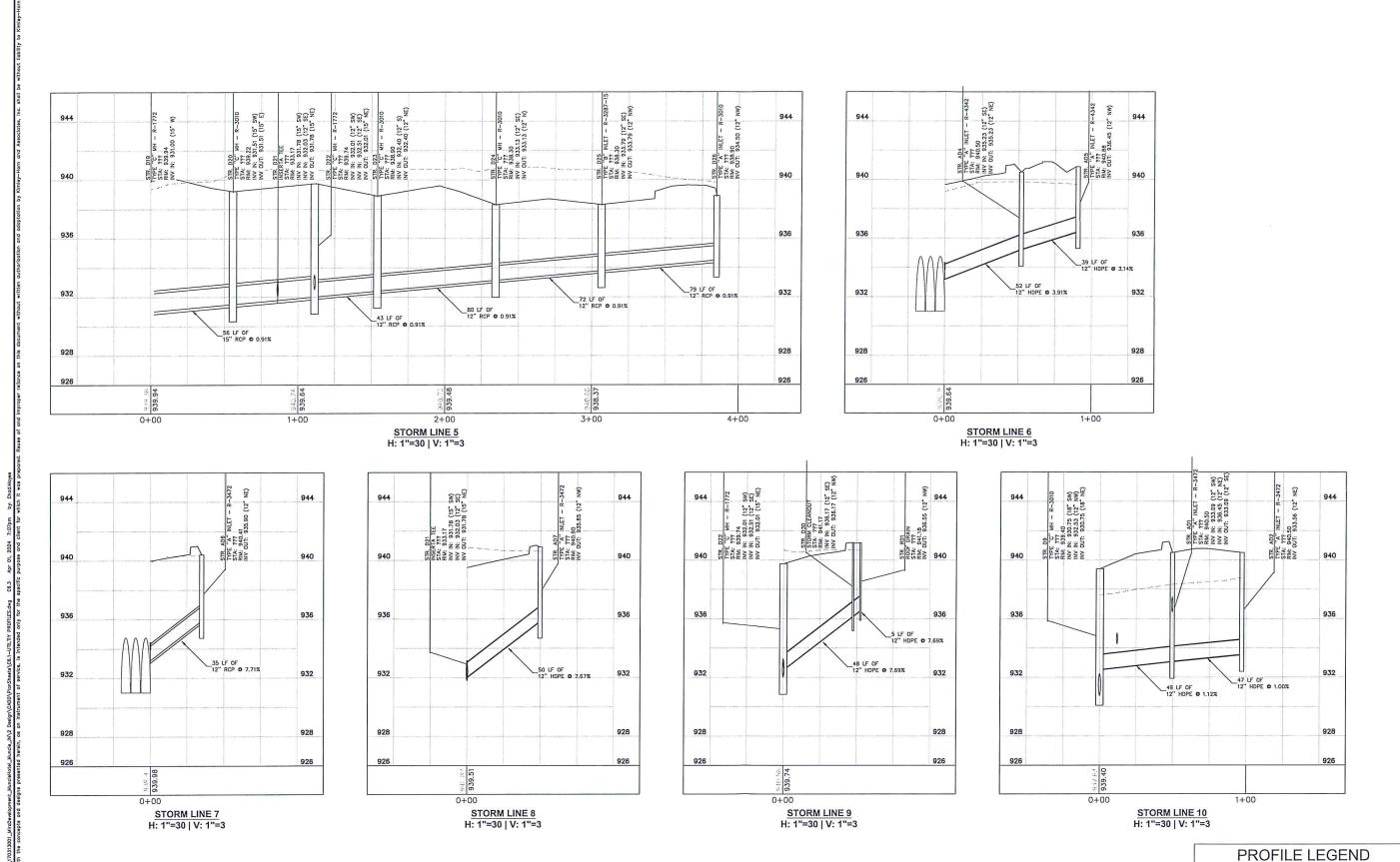
UTILITY PROFILES

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

SHEET NUMBER





UTILITY PROFILES

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DESIGNED BY: CSM KIMPL'S-HORN MAD ASSOCIATE, INC.
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HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

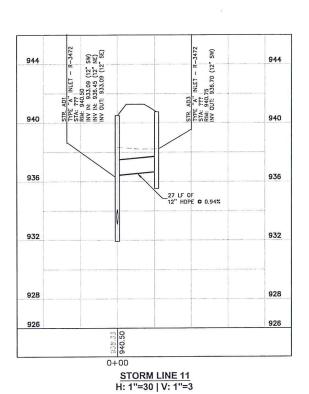
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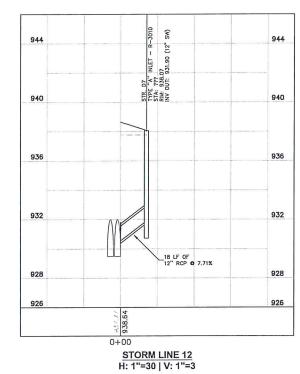
EXISTING PROFILE GRADE

PROPOSED PROFILE GRADE

SHEET NUMBER

C6 3





STR. S2 48° SAN MH STA: 2409,55 STR: 330,61 INV IN: 934,68 (8° NW) INV OUT: 934,68 (8° SW) STR. 54.
250 CALON
250 CALON
250 CALON
2516 A 240.76
STK. 440.77
INV IN: 93.5.57 (8 5W)
STR. 55
FIR. 540.70
FIR. 50.60
FIR. 100.70
FIR. 10 STR. SI 48. SAN MH STX: 0+00 RIM: 940.32 RIM: 933.70 (8" SE) INV IN: 933.70 (8" NE) INV OUT: 933.70 (8" NW) 948 948 944 944 940 940 936 936 932 932 928 928 926 926 939.88 935.48 4+00 3+00 1+00 2+00 0+00

SANITARY LINE 1 H: 1"=30 | V: 1"=3 UTILITY PROFILES

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

DESIGNED BY: CAN WITH THEY PROTON INC. CHECKED BY: CSM KITMLE-HORN MAY ASSOCIATES, NC. DIRAWN BY: CWE SOO EASY SETH STREET, SUITE 300, PRODONES, 317-218-3620

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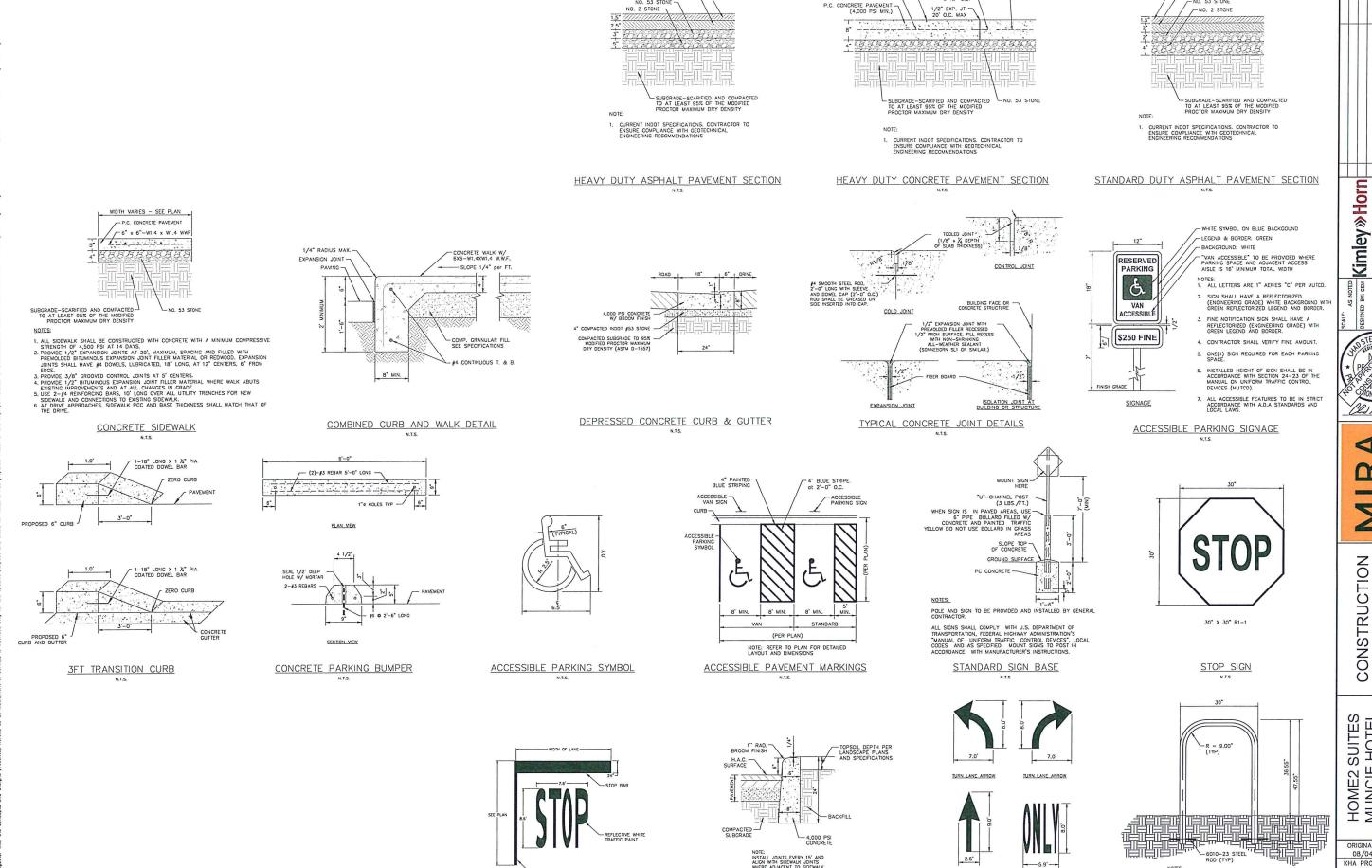
C6.4

PROFILE LEGEND

FULL DEPTH GRANULAR BACKFILL
REQUIRED (PROFILE VIEW)

EXISTING PROFILE GRADE

PROPOSED PROFILE GRADE



HMA INTERMEDIATE, 19.0mm

NO. 53 STONE

6" x 6"-W2.9 x W2.9 WWF

THROUGH LANE ARROW

NOTE: ALL TRAFFIC FLOW ARROWS TO BE PAINTED PER STATE DOT STANDARDS PER DIMENSIONS ABOVE.

ONLY SYMBOL

#4 DOWELS -© 18" O.C.

1/4" WIDE SAWCUT, 1" DEEP, 5' O.C. MAX

6" x 6"-W2.9 x W2.9 WWF-

- HMA INTERMEDIATE, 19.0mm

NO. 53 STONE

Kimley » Horn CSM

4 2

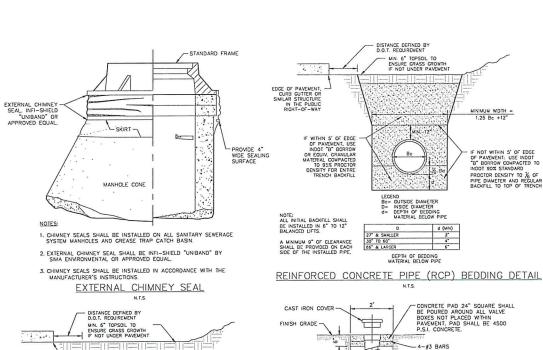
CONSTRUCTION DETAILS

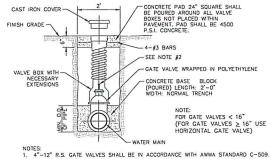
SUITES E HOTEL E & N MARLEON DR HOME2 S MUNCIE F VWC BETHEL AVE & IN

ORIGINAL ISSUE: 08/04/2023

KHA PROJECT NO. 170313001 SHEET NUMBER

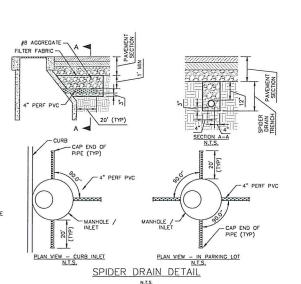
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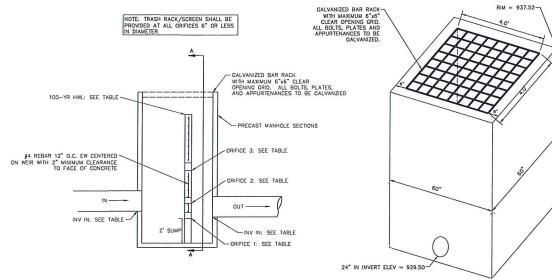


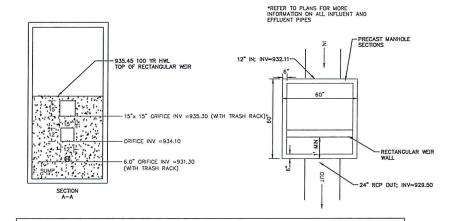


- A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED IF THE
  OPERATING NUT FOR ANY VALVE IS LOCATED IN EXCESS OF 4' BELOW THE TOP OF
  THE VALVE BOX. THIS EXTENSION SHALL BE SUFFICIENT LENGTH TO ENSURE THAT THE
  TOP IS WITHIN 4' OF THE VALVE BOX LID.
- 3. DUCTILE IRON OR C-900 PVC PIPE SHALL BE USED FOR VALVE STACKS WITH VALVE BOX CASTING.
- 4. PLACE A BLUE DOT (3") ON NEAREST CURB FACE TO VALVE.

TYPICAL VALVE SETTING AND BOX







		OL	JTLET (	CONTROL	STRUCTUF	RE		
STRUCTURE	RIM	DRY DETETION POND UNDERDRAIN IN	12* IN	ORIFICE 1	ORIFICE 2	ORIFICE 3	24" OUT	100-YR HWL
D2	PER PLAN	932.00	932.11	6.0° Ø @ 931.30	12"x12" @ 934.10	15*x15* @ 935.30	929.50	935.45

CONSTRUCTION DETAILS

4

2

Kimley» Horn

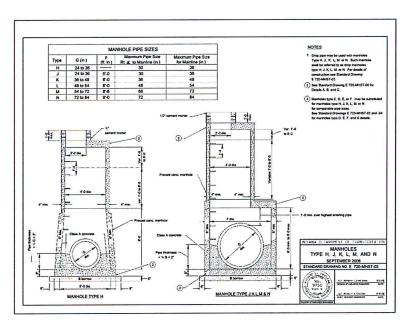
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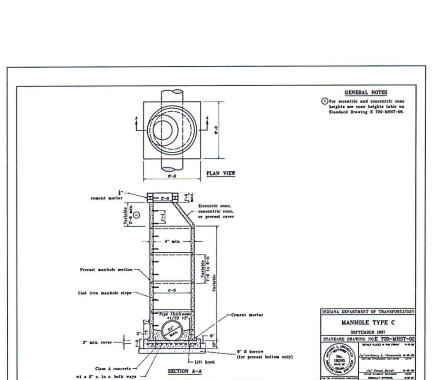
HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

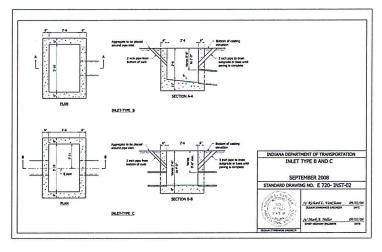
ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

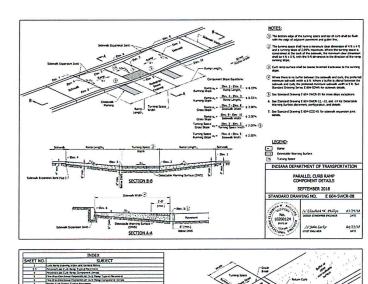
SHEET NUMBER C7.1

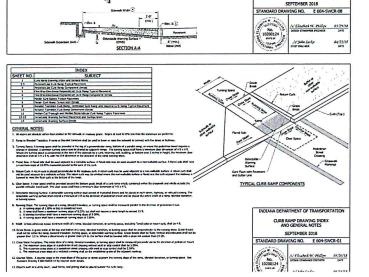
PLASTIC PIPE (PVC & HDPE) BEDDING DETAIL

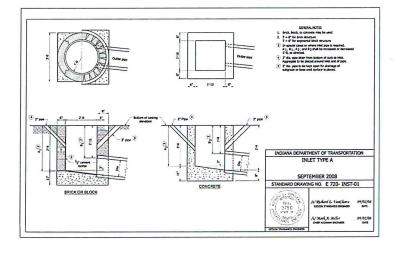


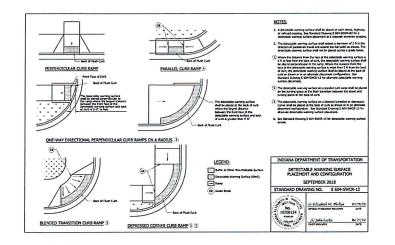


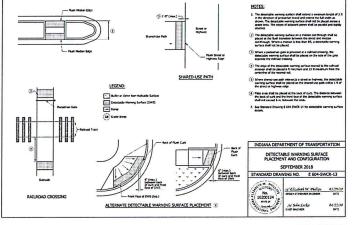


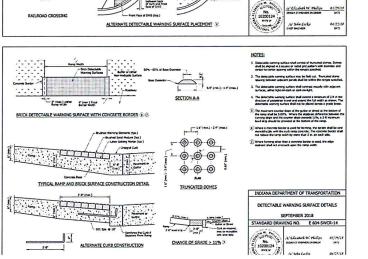














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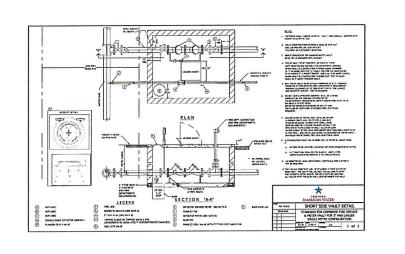
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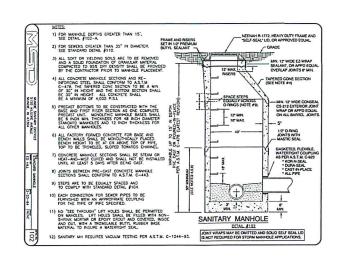
SCALE
AS NOTED KIMMIEVA M HOUTH
DESIGNED BY: GAY SOO EXCELPTION AN ASSOCIATES, MC.
DRAWN BY: GAY SOO EXCE 98TH STREET, SOUTE 300.
PROME 377-218-350.

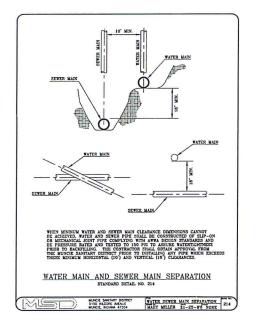
HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

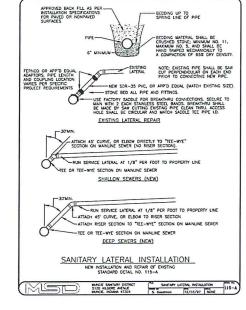
ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001 SHEET NUMBER

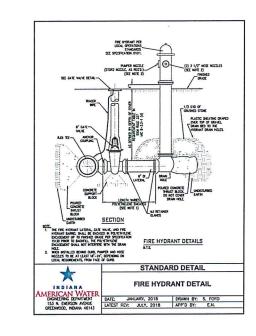
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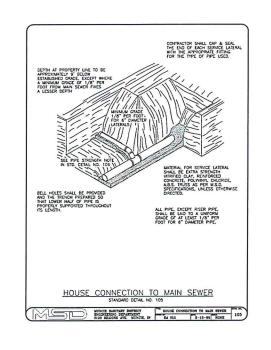


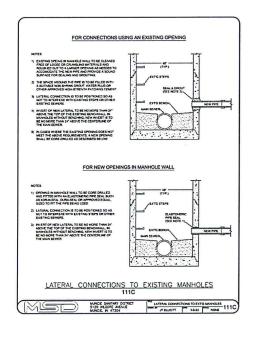


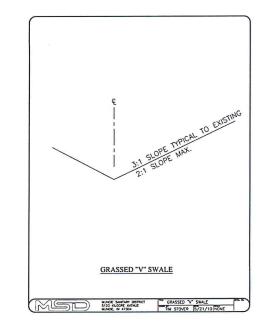


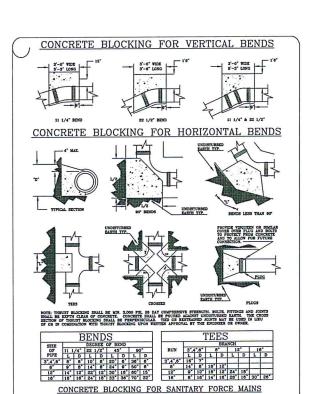


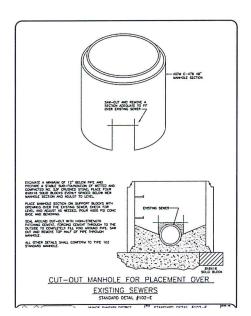


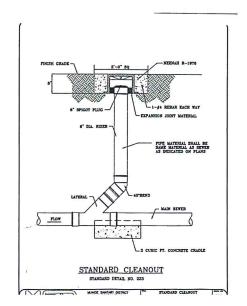


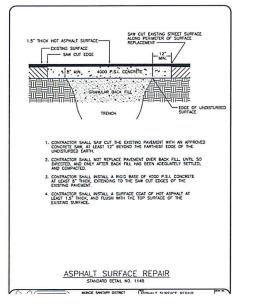


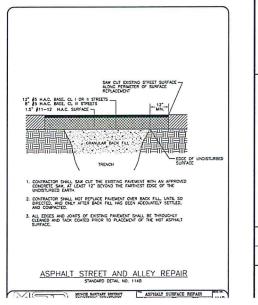












ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001 SHEET NUMBER

C7.3

**Kimley** » Horn

AS NOTED

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CONSTRUCTION DETAILS

SUITES E HOTEL

HOME2 S MUNCIE I NWC BETHEL AVE & 1 MUNCIE, IN

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3.

ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO.











Page 6/7 Res. 04/10/23 SPEC 1045 R 1122

LSI Industries Inc. 10000 Alliance Ro. Cincinnati, 0H 45242 • (513) 372-3200 • www.lsicorp.com (Stroughts All and Rend Confusion and account destand and a destation and the strong control and a stro

C7 1

Day 6-30-23 Mirada Small Area (MRS) Outdoor LED Area Light 

QUICK LINKS

39-196 112-158 20 (9.1) Ordering Gulde Performance Photometrics Dimensions

• Total harmonic distortion: <20%

Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic

Fixtures operate independently and car be commissioned via IOS or Androld configuration app.

· LSi's AirLink\* wireless control system

Have questions? (all us at (600) 436-7800

MRS-LED-18L-SIL-2-40-70CRI

PHOTOMETRICS

LSI Industries Inc. 10000 Alkance Rd. Continuat. (0H 45242 • (513) 572-3200 • www.kiscorp.com
 (15 database. Milata Remet Senforday and finematicated in high syndromization to be for high syndromization.)

• Power factor, >.90

# FEATURES & SPECIFICATIONS

- contains factory prewired driver and opti-unit. Cast aluminum wring access door located underneath.

  Fitures are finished with LSI's DuraGrio' polyster powder coat finishing process. The DuraGrio finish withstands extreme wealther changes without crocking or peeling. Other standard LSI finishes available, Consult factory. Shipping weight: 27 lbs in carton.
- Optical System

  State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provi IP66 rated seal.
- exceptional coverage and uniformity in distribution types 2, 3, SW, and FT. Silicone optical material does not yellow or crack with age and provides a typical light ransmittance of 93%.
- · Zero uplight.
- Minimum CRI of 70.

High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.

(xuling 1: MRS-LED-24L-SIL-FT-Volt-DIM-30-70CRI-Finish Piget: Mitra (Muncie Hotel) - Home 2 Suites

- A single fastener secures the hinged of underneath the housing and provides quick & easy access to the electrical compartment. + 0-10V dimming (10% - 100%) standard Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).

  L70 Calculated Life: >60k Hours
  - Utilizes LSI's traditional B3 drill pattern
- Operating temperature: -40°C to +50°C (-40°F to +122°F). Warranty
   LSI luminaires carry a 5-year limited warranty. Refer to https://www.isicor.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Listings
  • Listed to UL 1598 and UL 8750. Meets Buy American Act requirem
   IDA compliant; with 3000K color temperature selection. High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
  - Title 24 Compliant; see local ordinance for qualification information.

  - 3G rated for ANSI C136.31 high vibration applications are qualified.
  - epptications are qualified.

    I KOB rated luminate per IEC 6626 mechanical impact code

    DesignLights Consortium\* (DLC) qualified
    product. Not all versions of this product
    may be D.C qualified. Please check the DLC
    Qualified Products List at grounds qualified.
    products to confirm which versions are
    qualified.

- - ES Industries Inc. (2000 Alkance Rd. Cincinnati, OH 45242 (513) 372-3200 www.listom.com (Distribute A Systemy) Section of Agent track to have distribute sector failure sands than a single-Page 1/7 Rev. 64/10/23

Mirada Small Area Light (MRS)

TYPICAL ORDER EXAMPLE: MISS LED 191. SIL FT UNY DIM 40 70CRI ALBCS1 BUX BI

Lens Distribution

ORDERING GUIDE

Need more Information?

Page 2/7 Fev. 04/10/23 SINC 1046 B 1177 LSI Industries Inc. 10000 Alliance Ro. Concernati, OH 4 10 Receive 4 Rott Back Dedoctor at decision state of

X-54

Options

Have additional questions? Call us at (800) 436-7800

See Floirs Accessory Guide

Mirada Small Area Light (MRS)

17,682 Type III - Short

Lumens % Lumina

2255

9463

5696

17682

Have questions? (all us at (800) 435-7800

PHOTOMETRICS (CONT)

Back to Guick Links

Mirada Small Area Light (MRS) Have questions? (all us at (800) 436-7800

Back to Quick Links

d Berter, 427/327

ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Integral Louver (IL) and House-Side Integral lovver (IL) and half louver (ILI) accessory is control without secretizing street side performance from selecting the consideration of light behind the policies for applications with policies for the dissign manufacts from an effective field for which the control of the dissign manufacts from an effective field with the control of the dissign manufacts from an effective field with the control of the co

PRODUCT DIMENSIONS

P+3+3/7 New 04/10/23 SPEC 1646 B 1122

Mirada Small Area Light (MRS)

 ISI.
 0.95
 0.53
 0.45
 0.40
 0.52
 0.25

 IBI.
 112
 0.65
 0.56
 0.49
 0.37
 0.28

78. 138 0.90 0.69 0.60 0.48 0.34 24. 1.65 0.94 0.22 0.71 0.56 0.41

El Industries Inc. 10000 Alliance Rd. Cincernati, OH 45242 + (513) 372 10 moiste. Alliah Rosel Kodinin Link General Lectures In a residentian estadore.

PERFORMANCE

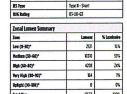
Back to Outck Links

# Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%. MRS-LED-18L-SIL-FT-40-70CRI

Back to Guick Links

# Luminaire Data 4000 Kelvin, 70 CR ES Type B3-00-63

Mirada Small Area Light (MRS)



MRS-LED-18L-SIL-3-40-70CRI

4000 Kehin, 70 CRI

Type III - Short

Lumens % Luminair

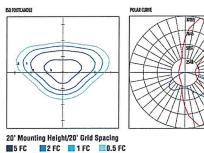
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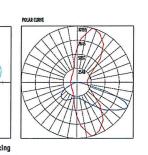
Luminaire Data

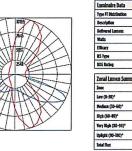
Hedium (30-60)\*

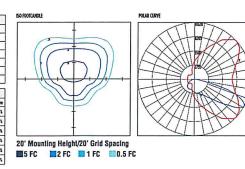
High (60-80)\*

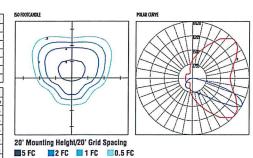
Very High (10-90)\*











Mirada Small Area Light (MRS)

ACCESSORIES

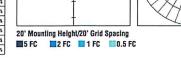
Source loss los Rouses and a 2" (Since) El burniers

d lamber, SULL 52 \* C.2

Beef Pole Booket Mount, outs enough poles (5" mar

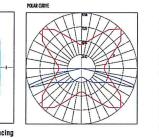
Parl Bernber: \$15 330 307 CJR

OPTICS ROTATION





Luminaire Data	AND LAND		RO LOGICANDRE			
Type SW Distribution				4		
Description 4000 Kelvin, 70 CRI				_		-
Delivered Lumens	17,636		1 / -	_	_	
Watts	155	155				١
Efficiacy	131				+	
IES Type Type 15 - Stort			1 1 1	( )	)	ľ
DUG Racing	84-00-62		1-1-1	1-1		+
Zonal Lumen Summary	SICHEROLE	ELEPTIS		6		1
loce	Lamens	% Lambaire				1
ow (0-30)*	1646	9%	12 1			•
Hedius (30-60)*	7453	63				-
High (60-88)*	8405	43%				
Very High (80-90)*	102	1%	20' Mount	inn Heint	t/20' Grid	9
Uplight (90-180)*	0	O%.	■5 FC	-	1 FC	
Tabal Day	IV!	1000	310		- 110	



# CONTROLS AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

# Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting helght. All control parameters are adjustable via an IOS or Android App capable of storing and transmitting sensor profiles. Click here to learn more about IMSBT,

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an IOS App. Capable of grouping multiple intures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires. Click here to learn more about AirLink Blue.

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Fage 5/7 Rev. 04/10/23

20' Mounting Height/20' Grid Spacing

■5 FC ■2 FC ■1 FC ■0.5 FC

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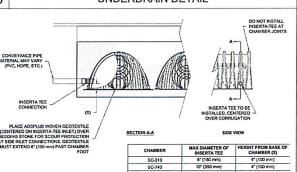
# MC-3500 STORMTECH CHAMBER SPECIFICATIONS

- TO MARTAN THE WOTH OF CHAMEERS DURING SIPPING AND HARDING, CHAMERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING ULUS. TO THE RECORD STACKING ULUS. TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMERS JOINT SHALL NOT BE CONSTRUCTED FOR THE PROPERTY OF THE ARCH SIPPING INSTALLATION, AT THE ARCH SIPPINGSS CONSTANT SHALL BE

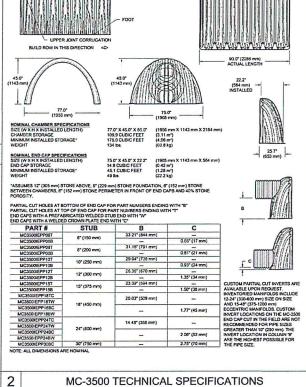
# IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO MAD DESIGNATION OF #3 OR #4.

# SECTION B-B 5 UNDERDRAIN DETAIL



ST CHAMBER FOOT	CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
	SC-310	6" (150 mm)	4" (100 mm)
	SC-740	10" (250 mm)	4" (100 mm)
	DC-780	10° (250 mm)	4" (100 mm)
BASED ON INLET PIPE	MC-3500	12" (300 mm)	6" (150 mm)
RMTECH FOR MORE	MC-4500	12° (300 mm)	8" (200 mm)
G SERVICES IF INSERTATEE	MC-7200	12" (300 mm)	8" (200 mm)
IG SERVICES IF INSERTA TEE NOT ALL INVERTS ARE		INGS AVAILABLE FOR SDR : NT WELD, N-12, HP STORM,	
INSERTA-TE	F SIDE IN	II FT DFTAII	



# ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER TO STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE TO LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS, CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS, PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
с	INITIAL FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EUBEDMENT STONE (B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANJIAR WELL-GRADED SOLIAGGREGATE MIXTURES, 13% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M43' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (000 mm) MAX LIFTS TO A MM. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
8	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43' 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43* 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE,73

# TO BOTTON OF FLEXBLE PANEMENT FOR LIMPAND INSTALLATIONS WICHE BUTTING FROM YOU BOLES MAY OCCUR. INCREASE COVER TO 24" (830 mm).

6

- INTELLEDIS FOR IMPICLING AND INSTALLATION:

  TO MANTIAN THE WOTH OF CHAMBEST DURING INTERPRICE AND INNOLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING FLOGIS.

  TO BISINER A SECURE JOHN DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER, DAYS THALL HOT BE LESS THAN 3".

  TO BISINER THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, A) THE ARCH STIFTNESS CONSTANT AS DEFRED IN SECTION 0.2.3 OF ASTIN FAMIL SHALL BE GREATER THAN OR EQUAL TO 500 LBSFT/M.

  AND INTO RESIST CHAMBERS DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (AGONE 75 F 72°C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE COLD OR YELLOW COLORS.

MC-3500 CROSS SECTION DETAIL

DRAWN:
REVIEWED:
REVIEWED:

MC-3500 STANDARD DET

4640 TRUEMAN I HILLIARD, OH 43

SHEET

SUITES E HOTEL HOME2 S MUNCIE F NWC BETHEL AVE & N MUNCIE, IN

CONSTRUCTION DETAILS

Horn

Kimley»

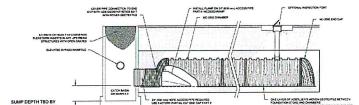
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GWE

ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

SHEET NUMBER C75

CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY COVER PPE CONNECTION TO ENG CAP WITH ADE CEDEVALT-SETIES BUT BOSHOOMS GECTERTED CATCH BASIN MC-3500 ISOLATOR ROW PLUS DETAIL 3



# INSPECTION & MAINTENANCE

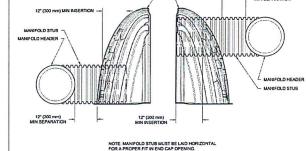
- STEP 1) INSPECTI ISOLATOR ROW PLUS FOR SEDIMENT

  A. INSPECTION PORTS (F PRESENT)

  B. USING A FLUSHIGHT AND STADUR ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE OF OR STADUR ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE OF OR STADUR PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (POTTONIAL STADUR PLUS FOR OWN PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (POTTONIAL STADUR PLUS FOR OWN PLUS FOR VISUAL STADUR PLUS FOR OWN PLUS FOR VISUAL STADUR PLUS FOR OWN PLUS FOR VISUAL STADUR PLUS FOR ALL SIGNATOR PLUS FORMS STADUR PLUS FOR ALL SIGNATION PLUS FOR STADUR PLUS FOR ALL SIGNATION PLUS FORMS STADUR PLUS FOR ALL SIGNATION PLUS FOR STADUR PLUS FOR ALL SIGNATION PLUS FORMS STADUR PLUS FOR ST

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MC-SERIES END CAP INSERTION DETAIL

PLAINT SCH	EDUL	.C.				
DECIDUOUS TREES AA	<u>QTY</u> 21	BOTANICAL NAME ACER RUBRUM 'AUTUMN FLAME'	COMMON NAME AUTUMN FLAME RED MAPLE	CONT B & B	CAL 3" CAL MIN	HT 7' HT MIN
GD	10	GYMNOCLADUS DIOICA 'ESPRESSO'	KENTUCKY COFFEETREE	B & B	3" CAL MIN	7' HT MIN
LT	9	LIRIODENDRON TULIPIFERA	TULIP POPLAR	B & B	3" CAL MIN	7' HT MIN
QR	9	QUERCUS RUBRA	RED OAK	B & B	3" CAL MIN	7" HT MIN
TG	23	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	B & B	3" CAL MIN	7' HT MIN
ORNAMENTAL TREES MJ	<u>QTY</u> 27	BOTANICAL NAME MALUS X 'JEWELCOLE' TM	COMMON NAME RED JEWEL CRABAPPLE	CONT B & B	CAL 2" CAL MIN	HT 5' HT MIN
DECIDUOUS SHRUBS HP	<u>QTY</u> 32	BOTANICAL NAME HYDRANGEA PANICULATA 'LITTLE LIME'	COMMON NAME LITTLE LIME PANICLE HYDRANGEA	CONT 	SPACING 60" O.C.	SIZE 18" FULL
IV	60	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPIRE	_	48" OC	18" FULL
PO	59	PHYSOCARPUS OPULIFOLIUS 'SEWARD'	SUMMER WINE® NINEBARK		60" O.C.	18* FULL
VB	48	VIBURNUM X BURKWOODII	BURKWOOD VIBURNUM		60" O.C.	18" FULL
EVERGREEN SHRUBS	<u>QTY</u> 45	BOTANICAL NAME ILEX GLABRA 'STONG BOX'	COMMON NAME STRONGBOX INKBERRY HOLLY	CONT 	SPACING 48" OC	SIZE 18" FULL
TD	47	TAXUS X MEDIA 'DENSIFORMIS'	DENSE ANGLO-JAPANESE YEW	-	48" OC	18" FULL
GRASSES CK	<u>QTY</u> 18	BOTANICAL NAME CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	COMMON NAME KARL FOERSTER FEATHER REED GRASS	CONT 	SPACING 30" OC	SIZE 18" HT MIN
PERENNIALS IB	<u>QTY</u> 16	BOTANICAL NAME IRIS VERSICOLOR	COMMON NAME BLUE FLAG	CONT 1 GAL	SPACING 24" OC	SIZE
LC	17	LOBELIA CARDINALIS	CARDINAL FLOWER	1 GAL	24" OC	
SEDGES	CODE	<u>aty</u>	BOTANICAL NAME	COMMON NAME	CONT	

CAREX VULPINOIDEA



# MULCHING LEGEND



MULCH HARDWOOD SHREDDED MULCH, NATURAL BROWN COLOR

# SEEDING LEGEND



PERMANENT SEEDING
AMERITURF FRONTRUNNER BLEND TALL
FESCUE; APPLY AT A RATE OF 350 LBS/ACRE
(8LBS/1000 SQFT)

# RIVER ROCK LEGEND



RIVER ROCK
LANDSCAPE GRAVEL RIVER ROCK WITH <sup>1</sup>/<sub>8</sub>"
BROWN STEEL EDGING
SUPPLIER: TIFFANY LAWN & GARDEN SUPPLY



4 Σ

> PLAN LANDSCAPE

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

SHEET NUMBER 110

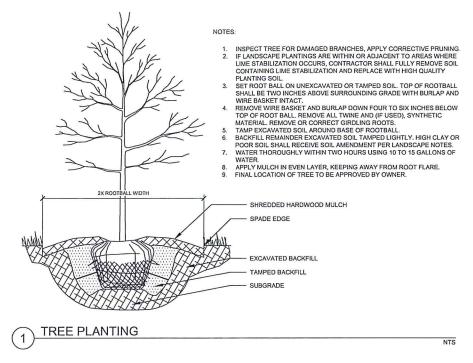
	27 LF OF 12* PROPOSED STORM 0.94% - 3.47 CFS 4.413 FT/S 90 SF	## 15 OF 12 PROPOSED STORM  1.12 OF 12 PROPOSED STORM  1.12 OF 12 PROPOSED STORM  1.12 OF 12 PROPOSED STORM  2.14 OF 18 PROPOSED STORM  2.15 OF 18 PROPOSED STORM  2.16 OF 18 PROPOSED STORM  2.17 OF 18 PROPOSED STORM  2.18 OF 18 PROPOSED STORM  3.284 FT/S  4.50 OF 18 PROPOSED STORM  4.50 OF 18 PROPOSED STORM  5.284 FT/S  4.50 OF 18 PROPOSED STORM  5.284 FT/S  5.284 FT/S	(S) (10) (3) (6) (6) (7) (10) (7) (10) (7) (10) (7) (10) (7) (7) (10) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	11 LF OF 24 -0 1.08x -7.495 FT/S  121 LF OF 24 -0.03x -1.08 FT/  211 LF OF 24 -0.03x -1.08 FT
	BETHEL AVENUE 40' HALF RIGHT OF WAY PUBLIC			d

FOX SEDGE

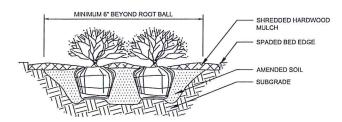
2" PLUG

30" o.c.

	ORDINANCE CHART	
ZONING: BV - Variety Business		
REQUIREMENT	REQUIRED	PROVIDED
Article XXX Section 7.G.3 FOUNDATION P		
<ul> <li>Foundation plantings shall be included withing 15 feet of the friont façade, any façade visible from a public ROW, and any façade with a dedicated public entrance.</li> </ul>	•Foundation plantings along the front facade	•Foundation plantings along the front facade
Article XXX Section 7.G.4 PLANTINGS IN F	REQUIRED FRONT YARDS	
<ul> <li>1 shade or evergreen tree per 40 LF or 1 ornamental tree per 20 LF</li> </ul>	Bethel Ave: 567 LF / 40 = 14 shade trees     Marleon Dr: 271 LF / 40 = 7 shade trees	Bethel Ave: 14 shade trees     Marleon Dr: 7 shade trees
Article XXX Section 7.G.5 PERIMETER BUF	FERING TYPE C	
• Type C = 3 shade trees + 3 ornamental trees + 15 shrubs per 100 LF	North: 567 LF • 5.67(3) = 17 shade trees • 5.67(3) = 17 ornamental trees • 5.67(15) = 85 shrubs West: 271 LF • 2.71(3) = 8 shade trees • 2.73(3) = 8 ornamental trees • 2.74(15) = 41 shrubs	North: 567 LF  17 shade trees  17 ornamental trees  85 shrubs  West: 271 LF  8 shade trees  8 ornamental trees  41 shrubs
Article XXX Section 7.G.7 SCREENING OF	SERVICE AREAS	
<ul> <li>Trash collection areas, drainage basins, outdoor storage, satellite dishes, HVAC systems, loading dock areas, and similar service areas shall be screened from public view and from adjacent non-commercial, non-industrial properties.</li> </ul>	Screening provided	Screening provided
Article XXX Section 7.G.8 LANDSCAPE IN I	PARKING LOTS	
1 shade tree + 5 shrubs for every 7 spaces, not less than 20 trees per parking lot acre     1 shade tree + 5 shrubs for every 5 spaces where parking areas are located in the front yard, not less than 24 trees per parking lot acre     1 landscape island per 20 spaces     1 tree per landscape island	Front Yard Parking Area = 49 spaces  • 52 / 5 = 10 trees  • (52 / 5)*5 = 52 shrubs  Side and Rear Parking Area = 65 spaces  • 63 / 7 = 9 trees  • (63 / 7)*5 = 45 shrubs  114 total spaces  • 115 / 20 = 6 islands  • 6 islands = 6 trees	Front Yard Parking Area = 49 spaces • 10 trees • 49 shrubs  Side and Rear Parking Area = 65 spaces • 9 trees • 46 shrubs  115 total spaces • 7 islands • 7 trees
Article XXX Section 7.M.8 SUSTAINABILIT	Y STANDARDS	
Each new development project is required to emply at least 1 of the following sustainability methods for treatment of stormwater generated:  -Green roofs -Rain garden -Bio-swales -Stormwater planters -Porous paving -Alternative sustainable methods not listed above may be submitted to the Plan Commission staff for approval. Where a project propsal incorporates more than one approved sustainable method, the project design may utilize an automatic building setback variance of 5 feet in any direction, provided the required bufferyard for adjacent residential use is not decreased, or an automatic 10% decrease in the number of required parking spaces, provided all	Selected sustainability methods:  • Rain garden  • Stormwater planter	Selected sustainability methods:  • Rain garden  • Stormwater planter







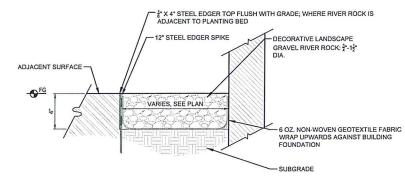
# NOTES:

- APPLY CORRECTIVE PRUNING.
   SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL (CONTAINER) SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR LARGER SHRUBS WITHIN PLANTING BED DIG A DEEPER PIT ONLY FOR THOSE SHRUBS.

  REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL. TWINE AND (IF USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO INSTALLATION.

  PENAVE OR CORPECT CHIPD INCR ROOTS.
- REMOVE OR CORRECT GIRDLING ROOTS.
- 5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN
- APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR SHRUBS EXTEND TO ALL LIMITS OF PLANTING BED, SEE PLANS FOR BED LAYOUTS.

SHRUB PLANTING



RIVER ROCK WITH STEEL EDGING

NTS

# LANDSCAPE NOTES

the 10% decrease.

- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTACTORS OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION AND PLANTING.
- 2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- 4. ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS CONTRACT.
- 5. ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
- PLANTING AREA SOIL SHALL BE TOPSOIL FOR ALL TREE, SHRUB, ORNAMENTAL GRASS, PERENNIAL, AND ANNUAL BEDS. AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO A 6" DEPTH BELOW FINISHED GRADE IN TURF AREAS AND A 12" DEPTH IN PLANTING AREAS.
- PLANTING AREA TOPSOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL, AMENDED TURP AREA SOIL SHALL BE STANDARD TOPSOIL. FOR TOPSOIL SHALL CONFORM TO TECHNICAL SPECIFICATIONS FREE OF HEAVY CLAY, ROCKS, AND DIRT CLODS OVER 1 INCH IN DIAMETER, AS WELL AS CONTAIN 3%-5% OF ORGANIC MATTER.
- 8. SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.

- CONTRACTOR SHALL STAKE INDIVIDUAL TREE AND SHRUB LOCATIONS AND OUTLINE HERBACEOUS PLANTING AREAS, SHALL ADJUST LOCATIONS WHEN REQUESTED, AND SHALL OBTAIN PROJECT LANDSCAPE ARCHITECTS ACCEPTANCE PRIOR TO PLANTING.
- 10. ALL PLANT ID TAGS SHALL BE REMOVED AFTER INSTALLATION.
- 11. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUNDCOVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
- 12. WEED FABRIC SHALL BE APPLIED UNDER MULCH.
- 13. MULCH SHALL NOT BE HELD IN PLACE BY PLASTIC NET, OR SPRAYING OF ANY BINDER MATERIAL OR ASPHALT
- 14. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
- 15. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
- 16. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
- 17. WEEDING, LANDSCAPE MAINTENANCE, AND WATERING TO BE THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION, ALL PLANT MATERIALS REQUIRED BY THIS SECTION SHALL BE MAINTAINED AS LIVING VEGETATION AND SHALL BE PROMPTLY REPLACED BY LANDSCAPE CONTRACTOR DURING WARRANTY PERIOD IF THE PLANT MATERIAL HAS DIED PRIOR TO FINAL ACCEPTANCE. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND
- 18. THE CONTINUED MAINTENANCE OF ALL REQUIRED LANDSCAPING AFTER WARRANTY PERIOD EXPIRES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH SAID MATERIALS ARE REQUIRED.

SUITES E HOTEL Ш HOME2 8
MUNCIE

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**DETAIL**(

Kimley >>> Horn

BY:

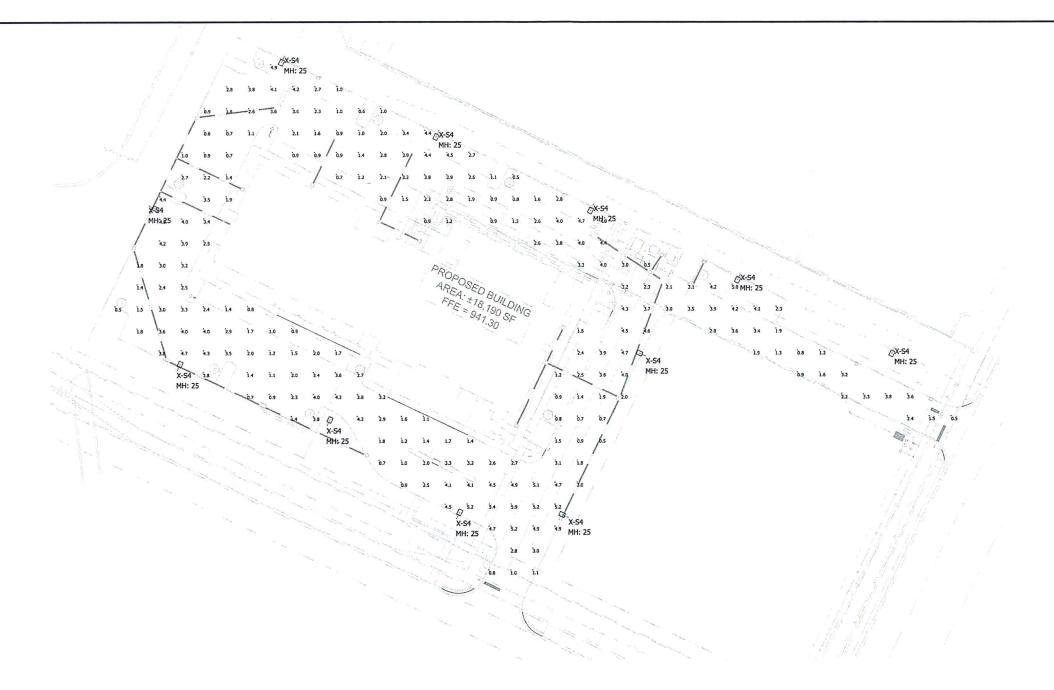
Michele Bye

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ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

SHEET NUMBER

111



Luminaire Schedu	le						
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts	Description
	11	X-S4	Single	22581	0.900	196	DL150150

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Paved Areas & Drives	Illuminance	Fc	2.60	5.9	0.5	5.20	11.80

NOTE:

1. THE FIXTURE IS THE 30K CCT OPTION (SEE CONSTRUCTION DETAILS)

# LIGHTING NOTES:

- Mounting Height = 25'
- Light Loss Factor = 0.90
- Footcandle Values Calculated @ 3' A.F.F.
- Reflectance Values 80/50/20 (office spaces) 50/30/20 (warehouse areas)

# National Lighting Vendor:

For pricing and technical assistance contact: Russ Miller of CBMC INC, tel# 317-697-7510, rmiller@cbmcinc.com

All electrical work shall comply with National, State, and Local codes including and not limited to the National Electric Code, NFPA 101 Life Safety Code, ASHREA and /or IECC Energy Codes.

The information contained in this document is proprietary to CBMC Lighting Solutions. This document is prepared for a specific site and incorporates calculations based on data available from the client at this time. By accepting and using this document, the recipient agrees to protect its contents from further dissemination, (other than that within the organization necessary to evaluate such specification) without the written permission of CBMC Lighting Solutions. The contents of this document are not to be remoduled or conied in whole or in nart without the written nermission of



SEE MORE  This lighting pattern represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with IESNA approved methods. Actual performance of any manufacturer's luminaire may vary due to variation in electrical voltage, tolerance in lamps and LED lumen package, location adjustments, and other variable field conditions.

Mira - Muncie Hotel (Home 2 Suites)

SITE LAYOUT

1" = 30' Drawing No:  THE CONTRACTOR SHALL NOTIFY AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEA THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, CONTRACTOR SHALL NOTIFY, AS NECESSARY, ALL TESTING AGENCIES, THE MUNICIPALITY, AND THE OWNER SUFFICIENTLY IN ADVANCE OF CONSTRUCTION.

FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN THE ITESTING COMPANIES TO BE UNABLE TO MIST THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND THE OPERATION TO BE TESTED UNIT. THE TESTING ACENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK SHALL BE BONKE BY THE CONTRACTOR.

ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL EMERGENCY TRAFFIC, AS DIRECTED BY THE MUNICIPALITY.

ALL PROPOSED GRADES SHOWN ON PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS NOTE OTHERWISE.

B. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE SURVEYOR AT THE CONTRACTOR'S EXPENSE.

ALL FRAMES AND LIDS FOR STORM AND SANITARY SEWERS, VALVE VAULT COVERS, FIRE HYDRANTS, AND B-BOXES ARE TO BE ADJUSTED TO MEET FINISHED GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER AND WATER CONTRACTOR, AND THE COST IS TO BE THE CONSIDERED INCIDENTAL THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVANT BY CONTRACTOR FROM ANY ADDIONAL ADJUSTMENTS AS REQUIRED BY THE WINDIFFAULT UPON FINAL INSPECTION OF THE PROJECT, FINAL GRADES MAY BE DETERMINED BY THE MUNICIPALITY AND MAY VARY FROM PLAN GRADE.

10, ANY EXISTING SIDES, LIGHT STANDARDS, AND UTILITY POLES THAT INTEREES WITH CONSTRUCTION OPERATORY SAID ARE JAIN OTOTION ON THE PLANS FOR DISSIPOSAL SHALL BE EXCHANGED AND THE JAIN OF A DESPOSAL SHALL BE REPORTED AND THE PROPERTY OF A DESPOSAL SHALL BE REPARED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE TO THE SATISFACTION OF THE OWNER ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE OBLIVERED TO THE RESPECTIVE OWNERS.

11. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC., SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMITS REQUIRED FOR SUCH DISPOSAL.

12. ANY FIELD TILES ENCOUNTERED SHALL BE INSPECTED BY THE MUNICIPALITY. THE DRAIN TILE SHALL BE CONNECTED TO THE STORM SEWER SYSTEM AND A RECORD KEPT BY THE CONTRACTOR OF THE LOCATIONS AND TUNNED OVER TO THE MUNICIPALITY UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COUPERSTAND SHALL BE ALLOWED.

13. BEFORE ACCEPTANCE, ALL WORK SHALL BE INSPECTED BY THE MUNICIPALITY, AS NECESSAR

16. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATION AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK.

17. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB PER OSHA REGULATION

18. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROWDE PROPER BARRICADING, WARNING DEVICES, AND THE SAFE MANAGEMENT OF TRAFFIC WITHIN THE AREA OF CONSTRUCTION, ALL SUCH DEVICES AND THER INSTALLATION SHALL CONFORM TO THE MANUAL OF UNFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, LATEST EDITION, AND IN ACCORDANCE WITH THE MUNICIPAL ORDINANCES.

19. THE CONTRACTOR SYALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EVESS MATERIAS. TRASS OIL AND GRESER RESDUE AMORNINY, TOLS. AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEANUP, AS DIRECTED BY THE ENGINEER OR OWNER, BURNING ON THE SITE IS NOT PERMITTED.

20. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE MUNICIPALITY. APPROVAL TO PROCEED MUST BE OBTIANED FROM THE MUNICIPALITY PRIOR TO INSTALLING PAYELENT BASE, BINDER, AND SURFACE, AND PRIOR TO POURING ANY CONCRETE AFTER FORMS HAVE BEEN SET, AS NECESSARY.

21. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT, AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A PAY ITEM IS LISTED ON THE BID LIST.

22. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED, AS PER MUNICIPAL STANDARDS.

24. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERMISION OF AN APPROVED LANDSCAPE ARCHITECT, FORESTER, OR ARBORIST AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO. NOT TO INTERFERE WITH CONSTRUCTION, ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTIN FROM THIS WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTION AT HIS/HER DISPOSED OF OFF-SITE BY THE CONTRACTION AT HIS/HER DISPOSED OFF-SITE BY THE PROVED OFF-SITE BY THE CONTRACTION AT HIS/HER DISPOSED OFF-SITE BY THE PROVED OFF-SITE BY THE PROVED OFF-SITE BY THE PROVED OFF-SITE BY THE PROVED OFF-SITE BY THE BY THE PROVED OFF-SITE BY THE BY THE BY THE B

25. WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND PIPE SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, B. SHALL BE MERCED INTO THE CONTRACT UNIT PRICE EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOD FOR STORM SEWERS, MICHOS HALL BE PAINEY IN FULL OF CLEANING, PATCHING, REMOVAL, AND DISPOSAL OF DEBRIS AND DIRT, DRAINAGE STRUCTURES AND CONTRACTOR AT 185 EXPOSES. NO EXTRA FOR THE STRUCTURES CONTRACTOR AT 185 EXPOSES. NO EXTRA FAVMENT WILL BE MADE FOR CLEANING STRUCTURE OR STORM SEWERS CONSTRUCTED AS PART OF THIS PROJECT.

26. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ONTO THE ROAD SUBGRADES, WHENEVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO LOT AREAS OR THE STORM SEWER SYSTEM. AVAILABLE DAMAGE TO THE ROAD STORM SEWER SYSTEM AVAILABLE DAMAGE TO THE ROAD STORM SEWER SYSTEM AVAILABLE DAMAGE THE WATER DISTRIBUTION SYSTEM, MIL BE REPAIRED BY THE CONTRACTOR FLUSHING OR US THE HYDRANT AT THE CONTRACTOR'S OWN EXPENSE, LEAKS IN THE WATER DISTRIBUTION SYSTEM SHALL BE THE RESPONSIBILITY OF THE WATER MAIN CONTRACTOR AND SHALL BE REPAIRED AT HIS EXPENSE.

28. THE TRENCHES FOR PIPE INSTALLATION SHALL BE KEPT DRY AT ALL TIMES DURING PIPE PLACEMENT, APPROPRIATE FACULTIES TO MAINTAIN THE DRY TRENCH SHALL BE PROVIDED BY THE CONTRACTOR, AND THE COST OF SUCH SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOI THE ITEM, PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED TO AND APPROVED BY THE EXONEEP PRIOR TO INDIFFUNITION, NO ADDITIONAL COMPENSATION SHALL BE MADE FOR DEWATERING DURING CONSTRUCTION UNLESS APPROVED IN WRITING BY THE OWNER.

THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR T SUBMITTING PRICING, CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENT ITEMS NOT SHOWN ON THE DEMOLITION PLAN.

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR TO THE CONTRACTOR THE ACCURACY, PRIOR TO COMMENTION ANY DEVOLUTION ACTIVITY, HE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EMSTING THE LITES AND FILE DEVERTY ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE EMSTRING BUILDING AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER.

CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY DEMOLITION PERMIT

THE CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE TRUCKS AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

CONTRACTOR MAY LIMIT SAW-CUT AND PAVEWENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.

THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES OR PRIOR TO ANY FURTHER DEMOUTION. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.

THE CONTRACTOR SHALL USE DUE CARE IN HAULING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC.

CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWNGS UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.

CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.

CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.

DEWATERING SHOULD BE ANTICIPATED AND INCLUDED. DEWATERING SHALL BE DONE IN ACCORDANCE WITH LOCAL AND REGIONAL REQUIREMENTS.

14. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-MAYS ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAWAGE DUE TO CONSTRUCTION OFFRATIONS. EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERD WHICH CONFLICT WITH LOCATION OF THE NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED. ALL EARTHWORK OPERATIONS TO CONFORM TO GEOTECHNICAL RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.

ANY QUANTITIES IN THE BID PROPOSAL ARE INTENDED AS A CUIDE FOR THE CONTRACTOR'S USE IN DETERMINION THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRISE HIMSELF/HERSELF OF ALL SITE CONDITIONS. THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK MILL BE RECONNEY.

THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS AFFINISHED GRADE AND SUBGRADE ELEVATIONS (AS NOTED) AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC., MUST BE ACCOUNTED FOR.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND PREVENT STORMMATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREA. HE FAILURE TO PROVIDE PROPER DRAINAGE WILL NEGATE ANY POSSIBLE ADDE COMPENSATION REQUESTED DUI DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF, FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSON, SEDMENTATION, AND TRAFFIC

PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED AND APPROVED PRIOR TO IMPLEMENTATION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR DEWATERING DURING CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SLIT AND FILTER FENCING, ETC., TO PROTECT ADJACENT PROPERTY, ETC., SHALL OCCUR BEFORE GRADING BEGINS.

PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, THE CONTRACTOR SHALL ERECT A CONSTRUCTION FENCE AROUND ANY TREE DESIGNATED TO BE PRESERVED. SAID FENCE SHALL BE PLACED IN A CIRCLE CENTERED AROUND THE TREE, THE DIAMETER OF WHICH SHALL BE SUCH THAT THE ENTIRE ORP TONE (EXTENT OF FURTHEST SEXEDING BRANCHES) SHALL BE WITHIN THE FENCE DIMITS. THE EXISTING GRADE WITHIN THE FENCED AREA SHALL NOT BE DISTURBED.

IF LANDSCAPE PLANTINGS ARE WITHIN OR ADJACENT TO AREAS WHERE LIME STABILIZATION COCURS, CONTRACTOR SHALL FULLY REMOVE SOIL CONTAINING LIME STABILIZATION AND REPLACE WITH HIGH QUALITY PLANTING SOIL.

EXCAVATION OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WILL REQUIRE EARTH EXCAVATION OR COMPACTED EARTH FILL MATERIAL EXISTING VEGETATION SHALL BE REMOVED PRIOR TO STRIPPING TOPSOIL OR FILLING AREAS.

. PLACEMENT OF EXCAVATED MATERIAL IN OWNER-DESIGNATED AREAS FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED AND THOSE AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL PROVIDE NECESSARY EROSION CONTROL MEASURES FOR STOCKPILE.

TOPSOIL STOCKPILED FOR RESPREAD SHALL BE FREE OF CLAY AND SHALL NOT CONTAIN OF THE TRANSITIONAL MATERIAL BETWEEN THE TOPSOIL AND CLAY. THE TRANSITIONAL MATERIAL SHALL BE USED IN NON-STRUCTURAL FILL AREAS OR DISPOSED OF OFF-SITE. TOPSOIL RESPREAD SHALL INCLUDE HAULING AND SPREADING OF TOPSOIL DIRECTLY OVER AREAS TO BE LANDSCAPED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER.

EXCAVATION OF SUBSURFACE MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL THE EXCAVATION SHALL BE. TO WITHIN A TOLERANCE, OF 0.1 FEET OF THE PLAN SUBGRADE ELEVATIONS WHILE MAINTAININE PROPER DRAINAGE. THE TOLERANCE WITHIN PAVEIENT AREAS SHALL BE SUICH THAT THE EARTH MATERIALS SHALL "BALANCE" DURING THE FINE GRADING OPERATION.

PLACEMENT OF SUITABLE MATERIALS SHALL BE WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL IN ORDER TO ACHEVE THE PLAN SUBGRADE ELEVATIONS TO WITHIN A TOLERANCE OF 0.1 FEET. THE FILL MATERIALS SHALL BE PLACED IN LOSS LETTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHEVE REQUIRED COUPACION. STRUCTURAL FILL MATERIAL MAY BE PLACED WITHIN THOSE PORTIONS OF THE SITE NOT REDURNO STRUCTURAL FILL WITHIN SIX (6) INCHES OF THE PLAN FINISHED GRADE ELEVATION. IN AREAS REQUIRING STRUCTURAL FILL HOWEVER, THIS MATERIAL SHALL NOT BE PLACED OVER TOOGOL OR OTHER UNSUITABLE MATERIALS UNLESS SPECIFICALLY DIRECTED BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.

COMPACTION OF SUITABLE MATERIALS SHALL BE TO AT LEAST 93% OF THE MODIFIED PROCTOR DRY DENSITY WITHIN PROPOSED PAYMENT AREAS, SIDEWALK, ETC. COMPACTION SHALL BE AT LEAST 95% OF THE MODIFIED PROCTOR WITHIN PROPOSED BUILDING PAD AREAS OR AS RECOMMENDED BY THE GEOTECHNICAL REPORT.

UNSUITABLE MATERIAL: UNSUITABLE MATERIALS SHALL BE CONSIDERED MATERIAL. THAT IS NOT SUITABLE FOR THE SUPPORT OF PAYEMENT AND BUILDING CONSTRUCTION, AND IS EXCOUNTERED BELOW NORMAL TOPSOL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL AND TO WHAT EXTENT SHALL BE MADE BY THE CEDITECHNICAL ENGINEER OR SOLIS TESTING ACROSY WITH THE CEDITECTURENCE OF THE OWNER.

MISCELLANEOUS. THE CONTRACTOR SHALL: 30. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEE IN MEDIALIZITY, PRIOR TO AND/OR INCHES OF THE SUITABLE SUBGRADE MATERIAL IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL AREAS.

PROVIDE WATER TO ADD TO DRY MATERIAL IN ORDER TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE SPECIFIED COMPACTION.

BACKFILL THE CURB AND GUTTER AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT (THE BASE COURSE MATERIAL.

THE CONTRACTOR SHALL PROVIDE AS A MINIMUM A FULLY LOADED SIX—WHEEL TANDEM AXLE TRUCK FOR PROOF ROLLING THE PAVEMENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER AND THE BASE MATERIAL. THIS SHALL BE WITHESSTAD BY THE GEOTECHNICAL ENGINEER OR SOILS TESTING AGENCY AND THE OWNER. (SEE PAVING SPECIFICATION).

ANY UNSUITABLE AREA ENCOUNTERED AS A RESULT OF PROOF ROLLING SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL OR OTHERWISE CORRECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR SOILS TESTING AGENCY.

PANNG WORK INCLUDES FINAL SUBGRADE SHAPING, PREPARATION, AND COMPACTION; PLACEMENT OF SUBBASE OR BASE COURSE MATERIALS; BITUMINOUS INTERMEDIATE AND/OR SUBFACE COURSES; FORNING, FINSHING, AND CURNO CONCRETE PAVEMENT, CURBS, AND WALKS; AND FINAL CLEAN-UP AND ALL RELATED WORK.

EARTHWORK FOR PROPOSED PAVEMENT SUBGRADE SHALL BE FINISHED TO WITHIN 0.1 FOR PLUS OR MINUS, OF PLAN ELEVATION. THE CONTRACTOR SHALL SATISTY HAUSELF THAT TO SUBGRADE HAS BEEN PROPERTY PREPARED AND THAT THE FINISH TOP SUBGRADE ELEVA HAS BEEN GRADED WITHIN TOLERANCES ALLOWED IN THESE SPECIFICATIONS, UNLESS THE CONTRACTOR ADMESS THE ENGINEER IN WRITING PRIOR TO THE GRADINE FOR BASE COULD CONSTRUCTION. IT IS UNDERSTOOD THAT HE/SHE HAS APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUBGRADE.

. AFTER STRIPPING TO THE PROPOSED SUBGRADE LEVEL, THE BUILDING AND PARKING AREA SHOULD BE PROOF-ROLLED WITH A TANDEM AXLE DUMP TRUCK OR SIMILAR HEAVY RUBBER RIBED VEHICLE PYPICALLY WITH AM AXALL LOAD GREATER THAN NINE (9) TONS OR MEETING SPECIFICATIONS OUTLINED IN INDOT CMS ITEM 204 FOR ROADWAY SUBGRADE COMPACTION AND PROOF-ROLLING.

MAXIMUM DEFLECTION ALLOWED IN ISOLATED AREAS MAY BE ONE (1) INCH IF NO DEFLECTIO OCCURS OVER THE MAJORITY OF THE AREA.

PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE PAVEMENT AREA SHALL BE FINE-GRADED TO WITHIN O.04 FEET (1/2 INCH) OI FINAL SUBGRADE ELEVATION, TO A POINT TWO (2) FEET BEYOND THE BACK OF THE CURB, SO AS TO INSURE THE PROPER THOUSES OF PAVEMENT COURSES, NO CLAMS FOR EXCESS QUANTITY OF BASE MATERIALS DUE TO MPROPER SUBGRADE PREPARATION WILL BE

2.5. PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE SHALL BE APPROVED BY THE TESTING ENGINEER.

ALL EXTERIOR CONCRETE SHALL BE PORTLAND CEVENT CONCRETE CLASS SI OR PV. CONCRETE SHALL BE A MINIMUM OF SIX (6) BAG MIX AND SHALL BEVELOR A MINIMUM OF 4,000 PSI COMPRESSIVE STRENGTH AT TWENT-PEIGHT (28) DAYS. ALL CONCRETE SHALL BE BROOM-FINISHED PERPENDICULAR TO THE DIRECTION OF TRAVEL.

CONCRETE CURB AND/OR COMBINATION CURB AND GUTTER SHALL BE OF THE TYPE SHOWN ON THE PLANS. THE CONTRACTOR IS CAUTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAYEMENT CROSS SECTION TO DETERMINE THE CUTTER FLAC THICKNESS AND THE ACGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. AND THE ACGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. AND THE ACGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER SHALL BE REPROVIDED AT NO THE TENDED THE TOWN THE THE THE THICKNESS AWED OR FORMED CONTRACTION. JOINTS SHALL BE REVOLUTED AT OR GERTER THAN TEN TO THEIR THE OTTER THICKNESS BENEATHER SHAPEN SHAPE AND THE CURB AND GUTTER WILL BE ACCEPTED.

CURBS SHALL BE DEPRESSED AT LOCATIONS WHERE PUBLIC WALKS INTERSECT CURB LINES AND OTHER LOCATIONS, AS DIRECTED, FOR THE PURPOSE OF PROMDING ACCESSIBILITY.

THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE.

CONCRETE SIDEMALK SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. PROVIDE SCORED JOINTS AT MANUAU B-FOOT INTERVALS AND 124-INCH PRE-MOLDED FIBER EXPANSION JOINTS AT 20-FOOT MAXIMUM INTERVALS AND ADJACENT TO CONCRETE CURBS, DRIVEMAYS, FOUNDATIONS, AND OTHER STRUCTURES.

CONCRETE DRIVEWAY APRONS SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. PROVIDE 6-INCH BY 6-INCH NO. 5 WEIDED WIRE MESH IN ALL DRIVEWAYS PROVIDE 1/2-INCH PRE-OUDCED FIBER EXPANSION, JOINT ADJACENT TO CURBS AND CONCRETE SIDEWALKS, PROVIDE SAWED OR FORMED CONTRACTIONS JOINT AT MID-POINT AND 15-FOOT MAXIMUM.

STANDARD REINFORCED CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. SAWED OR FORMED CONTRACTION EXPANSION JOINTS SHALL BE AS SHOWN ON THE PLANS.

CONCRETE CURING AND PROTECTION SHALL BE PER INDOT STANDARDS. TWO (2) COATS OF INDOT APPROVED CURING AGENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.

THE COST OF AGGREGATE BASE OR SUBBASE UNDER CONCRETE WORK SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONCRETE ITEM. FLEXIBLE PAVEMENT

THE PAYELENT WATERIAS FOR BITUINIOUS STREETS, PARKING LOTS, AND DRIVE ASSESSABLE BE AS BETAILED ON THE PLANS. THE PLANS THE PL

4.4. SEAMS IN SURFACE AND BASE COURSES SHALL BE STAGGERED A MINIMUM OF 6 INCHES.

THE CONTRACTOR SHALL FOLLOW THE QUALITY CONTROL TESTING PROGRAM FOR CONCRETE AND PAVEMENT MATERIALS ESTABLISHED BY THE ENGINEER.

PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE, THE CONTRACTOR WHEN REQUIRED BY THE MUNICIPALITY, SHALL OBTAIN SPECIMENS OF THE INTERMEDIATE COURSE WITH A CORE DRILL WHERE DIRECTED, FOR THE PURPOSE OF THICKNESS VERHICATION.

WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE FULL DEPTH BITUMINOUS CONCRETE PAYEMENT STRUCTURE WITH A CORE DRILL WHERE DIRECTED IN ORDER TO COSHIPM THE PLAN THICKNESS. DEFICENCIES IN THICKNESS SHALL BE ADJUSTED FOR BY THE METHOD REQUIRED BY INDOT STANDARDS.

FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND CHECKING REQUIREMENTS CITED ABOVE.

ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE MUNICIPAL CODE. WHEN CONFLICTS ARISE BETWEEN MUNICIPAL CODE, AND GENERAL NOTES, THE MORE STRINGENT SHALL TAKE PRECEDENCE.

# SIGNING AND PAVEMENT MARKING NOTES

ALL SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORK TRAFFIC CONTROL DEVICES (MUTCD) AND THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARDS.

SIGNS: SIGNS SHALL BE CONSTRUCTED OF 0.080-INCH THICK FLAT ALUMINUM PANELS WITH REFLECTORIZED LEGEND ON THE FACE. LEGEND SHALL BE IN ACCORDANCE WITH THE MUTCD POSTS: SIGN POSTS SHALL BE NEW GALVANIZED STEEL PIPE IN ACCORDANCE WITH ASTM A 53 OR ASTM F 1083. USE STANDARD WEIGHT, SCHEDULE 40 PIPE PER THE INDOT STANDARDS.

PAYEMENT MARKNOS: ALL PAYEMENT MARKNOS IN THE ROADWAY LIMITS, SUCH AS STOP LINES CENTERLINES, CROSSWALKS, AND DIRECTIONAL ARROWS. SHALL BE REFLECTORIZED THERMOPLASTIC HOT ROLLED INTO PAYEMENT OR PAINT PER INDOIT STAMDARDS. PAVEMENT MARKINGS ON BIKE PATHS, PARKING LOT STALLS, AND SIMILAR "LOW-WEAR" APPLICATIONS, SHALL BE PAINT IN ACCORDANCE WITH INDOT STANDARDS.

COLOR, WIDTH, STYLE, AND SIZE OF ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCH AND MUNICIPAL CODE. THERMOPLASTIC MARKINGS SHALL BE INSTALLED WHEN THE PAVEMENT TEMPERATURE IS 55 DEGREES FAHRENHEIT AND RISING. PAINT MARKINGS MAY BE INSTALLED WHEN THE AIR

SANITARY SEWER NOTES

ALL TRENDIES BEJEATH PROPOSED OF EXISTING UTILITIES, PAYSHAVITS, ROADWAYS, SIDEWALKS AND FOR A DISTANCE OF THREE (3) FEET ON BITHER SIDE OF SAME, AND/OR WHERE SHOWN THE PLANS, SHALL BE BACKFILLED WITH MATERIAL THAT HAS BEEN TREATED AND COMPACTED 95% OF STD, PROCOTOR MAXIMUM DAY DENSITY.

CONNECTIONS TO EXISTING SANITARY SEWER SYSTEM SHALL NOT BE DONE UNTIL AUTHORIZED IT THE MUNICIPALITY.

WATERWAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS ACCORDANCE WITH INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REQUIF SPECIFIED IN THE STANDARDS FOR WATER AND SEWER CONSTRUCTION IN INDIANA.

NO WATER LINE SHALL BE PLACED IN THE SAME TRENCH AS A SEWER LINE, EXCEPT UNDER SPECIAL CIRCUMSTANCES AND THEN ONLY UNDER THE FOLLOWING RULES:

IF NECESSARY PERMISSION SHALL BE OBTAINED FROM THE MUNICIPALITY IN WRITING PRIOR BEGINNING CONSTRUCTION. THE BOTTOM OF A WATER LINE SHALL BE INSTALLED ON A SHELF A MINIMUM OF 1B INCHES ABOVE THE TOP OF THE SEWER AND 1B INCHES HORIZONTALLY AWAY FROM THE EDGE OF THE SEWER.

ALL PIPE CONNECTION OPENINGS SHALL BE PRECAST WITH RESILENT RUBBER WATER—TIGHT SLEEVES. THE BOTTOM OF THE MANHOLE SHALL HAVE A CONCRETE BENCH POURED TO FACILITATE SMOOTH FLOWS.

FRAMES AND LIDS: ALL SANITARY SEWER WANHOLE FRAMES AND LIDS SHALL BE PER DETAIL SHEET, UNLESS OTHERWISE NOTED ON THE PLANS AND DETAILS. THE LIDS SHALL HAVE RECESSED (CONCEALED) PICK HOLE AND BE SELF—SEALING WITH AN \*O" RING GASKET. THE JOINTS BETWEEN THE FRAWE AND CONCRETE SECTION SHALL BE SEALED WITH A BUTYL ROPE.

A MAXIMUM OF TWELVE (12) INCHES OF CONCRETE-ADJUSTING RINGS SHALL BE USED TO ADJUST FRAME ELEVATIONS. RINGS SHALL BE SEALED TOGETHER WITH BUTYL ROPE. CLEANING: ALL MANHOLES AND PIPES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS, AND ALL VISIBLE LEAKAGE ELIMINATED, BEFORE FINAL INSPECTION AND ACCEPTANCE.

TESTING: DEFLECTION, AIR, AND LEAKAGE TESTING WILL BE REQUIRED. THE PROCEDURE AND ALLOWABLE TESTING LIMITS SHALL BE IN ACCORDANCE WITH THE TEN STATE STANDARDS AND THE FOLLOWING:

mechanical pulling device. 327 IAC 3-6-19 (d) All gravity sever pipe shall be tested using one of the following leakage test types: (1) A hydrostatic test shall be performed with a minimum of two feet of positive head. The rate of extiliration or infliration shall not exceed two hundred (200

S. CERTIFICATION: CONTRACTOR SHALL SUBMIT CERTIFIED COPIES OF ALL REPORTS OF TESTS CONDUCTED BY AN INDEPENDENT LABORATORY SETORE INSTALLATION OF PVE PLASTIC PIPE. TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD METHOD OF TEST FOR "EXTERNAL LOADING PROPERTIES OF PLASTIC PIPE BY PARALLEL PLATE LOADING." ASTM STANDARDS D-2241, AS APPROPRIATE FOR THE PIPE, TO BE USED. TESTS SHALL ALSO BE CONDUCTED TO DEMONSTRATE. JOINT PERFORMANCE AT FIVE (5) PERCENT MAXIMUM DIAMETRIC DEFLECTION OF THE SPIGOT.

IF CONFLICT ARISES BETWEEN MUNICIPAL STANDARDS AND SANITARY SEWER NOTES, THE MORE STRINGENT SHALL APPLY.

ALL SANITARY SEWER LINES SHALL BE PYC MEETING ASTM D-3034 STANDARDS AND JOINTS MEETING ASTM D-3212. ALL SANITARY MAHHOLES TO BE CONCRETE AND MEET AMHOLE DESIGN SPECIFICATIONS OF ASTM C-478 AND JOINT SPECIFICATIONS OF ASTM C-443.

# STORM SEWER NOTES

STORM SEWER PIPE: ALL STORM SEWER PIPE SHALL BE RCP, UNLESS OTHERWISE NOTED ON THE PLANS, IN ACCORDANCE WITH THE FOLLOWING:

PLAN CODE MATERIAL 12"-565" RCP REINFORCED CONCRETE PIPE (ASTM C-76) C 12" PVC SDR-35, ASTM D-3034 REFER TO PLANS FOR PIPE SIZES.

FOR PIPE SIZES 12" TO 54" WITH COVER BETWEEN 1"-3", USE SEWER CLASS III CONCRETE PIPE. FOR COVER GREATER THAN 3" BUT LESS THAN 9", USE CLASS II CONCRETE PIPE. FOR COVER BETWEEN 9"-13", USE CLASS III CONCRETE PIPE. FOR PICE SIZES GREATER THAN 54" WITH COVER BETWEEN 1"-5", USE CLASS III CONCRETE PIPE. FOR COVER GREATER THAN 9" BUT LESS THAN 15", USE CLASS III CONCRETE PIPE.

BAND—SEAL OR SIMILAR COUPLING SHALL BE USED WHEN JOINING STORM SEWER PIPES OF DISSIMILAR MATERIALS.

ALL FOOTING DRAIN DISCHARGE PIPES AND DOWN SPOUTS SHALL DISCHARGE TO THE GROUND/STORM SEWER SYSTEM.

CONSTRUCTION: ALL STORM SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND GRADE.

COVER: THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO (2) FEET OF COVER OVER THE TOP OF SHALLOW PIPES AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL MOUND OVER ANY PIPES THAT HAVE LESS THAN TWO (2) FEET OF COVER DURING CONSTRUCTION UNTIL THE AREA IS FINAL GRADED OR PAVED.

STRUCTURES: MANHOLE, CATCH BASIN, AND INLET BOTTOMS SHALL BE PRECAST CONCRETE SECTIONAL UNITS OR MONOLITHIC CONCRETE. MANHOLES AND CATCH BASINS SHALL BE A MINIMUM OF FOUR (4) FEET IN DIAMETER UNIESS OTHERWISE SPECIFIED ON THE PLANS. STRUCTURE JOINTS SHALL BE SEALED WITH O'R RING OR BUTYL ROPE. A MAXIMUM OF TWELVE (12) INCHES OF ADJUSTING RINGS SHALL BE USED.

A CONCRETE BENCH TO DIRECT FLOWS SHALL BE CONSTRUCTED IN THE BOTTOM OF ALL INLETS AND MANHOLES.

THE FRAME, GRATE, AND/OR CLOSED LID SHALL BE CAST IRON OF THE STYLE SHOWN ON THE PLANS.

CLEANING: THE STORM SEWER SYSTEM SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL NSPECTION AND TESTING.

MANHOLES, CATCH BASINS, INLETS, FRAMES, GRATES, AND OTHER STRUCTURES SHALL BE CONSTRUCTED OF THE TYPE, STYLE, AND SIZE AS SET FORTH WITH THE ORDINANCES AND STANDARDS OF THE MUNICIPALITY.

ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE MUNICIPAL CODE. WHEN CONFLICTS ARISE BETWEEN MUNICIPAL CODE AND GENERAL NOTES, THE MORE STRINGENT SHALL TAKE PRECEDENCE.

. WHEN NOTED ON PLANS OR APPROVED BY ENGINEER, HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IN GENERAL CONFORMANCE WITH ASTM F2648 / F2648M MAY BE UTILIZED.

# WATERMAIN NOTES

PIPE MATERIALS: WATERMAINS SHALL BE CONSTRUCTED OF AWAN C900 OR AWAN C905 PLASTIC PIPE AND STABLL BE CLASS 150 DINESS OTHERWISE INDICATED ON THE PLANS. COCUPLING WITH TWO RUBBER GASKETS SHALL BE FURNISHED WITH EACH LENGTH OF PIPE. IT SHALL BE THE SAME MATERIAL AND STIME SHALL BE THE SAME MATERIAL AND STIME SHALL BE THE SAME MATERIAL AND STIME SHALL CONFORM TO ASTIME JATES. RUBBER GASKETS SHALL CONFORM TO ASTIME JATES.

FITTINGS: ALL FITTINGS SHALL BE OF DUCTILE IRON WITH GASKETS, CLANDS AND T-HEAD BOLTS WITH NUTS. DUCTILE IRON FITTINGS SHALL CONFORM TO ANSJAWWA CHO/AZI-10, 330 POUNDS PER SOURCE KOME POS) PRESSURE RATING ROODERDEMENS. ALL FITTINGS SHALL BE COMENT A BITUMINOUS COATING OF FUSION-BOMED PROXY. FITTINGS SHALL HAVE DISTINCTLY CAST INTO THE PIPE EXTERIOR THE PRESSURE RATING AND LETTERS FO! OR FOUNDED, ALL DUCTILE IRON FITTINGS ACCEPTABLE TO THE UTILITY SHALL BE RATED AT A WINIMUM OF 70-50-05 (KS) TRINSLE STRENGTH-SYSTEM STRENGTH-SHALL BE RATED AT A WINIMUM OF 70-50-05 (KS) TRINSLE STRENGTH-SYSTEM STRENGTH-STRENGTH PRESSURE STRENGTH SHALL BUTTER TO THE PRESSURE STRENGTH PRESSURE AT THE SHALL BE RATED AT A WINIMUM OF 70-50-05 (KS)

POLYETHYLENE ENCASCIDENT, HIGH DENSITY GROSS—LAWINATED POLYETHYLENE ENCASSIMINT WATERIALS SHALL BE USED FOR DUSTILE ROON PIPE AND INTINOS. THE HORD HORSITY CROSS—LAWINATED POLYETHYLENE TUBE MATERIAL SHALL CONFORM TO ANS/AWWA CIOS WITH A MINIUM THICKNESS OF 4 MILE.

VALVES: GATE VALVES SHALL BE USED ON ALL WATERMAINS. ALL VALVES SHALL TURN COUNTER-CLOCKWISE TO OPEN. VALVES SHALL BE IRON BODY RESULENT WEDGE GATE VALVES WITH BRONZE-MOUNTED EASTA AND NON-RISING STEMS CONFORMING TO AWWA C-509. THE VALVES SHALL HAVE MECHANICAL JOINTS.

THE BREAK FLANGE AND ALL BELOW-GRADE FITTING SHALL HAVE STAINLESS STEEL NUTS AND BOLTS.

BEDDING: ALL WATERMAINS SHALL BE BEDDED ON FIRM GROUND, WITH BELLHOLES EXCAVATED SO THAT THE PIPE HAS AN EVEN BEDDING FOR ITS ENTIRE LENGTH.

GRANULAR BEDDING MATERIAL OR GRANULAR BACKFILL MATERIAL SHALL BE CAREFULLY PLACED TO TWELVE (12) INCHES OVER THE TOP OF THE PIPE BEFORE FINAL BACKFILLING AND COMPACTION.

A MINIMUM DEPTH OF COVER OF FIFTY-FOUR (54) INCHES SHALL BE MAINTAINED OVER THE WATER LINES. THE MAXIMUM COVER SHALL BE SEVENTY-TWO (72) INCHES, EXCEPT AT SPECIAL CROSSINGS

"MEGA—LUG" RETAINER CLANDS AND THRUST BLOCKING SHALL BE INSTALLED ON WATERMAINS A' ALL BENDS, FITINGS, TEES, ELBOWS, ETC. "MEGA—LUG" RESTRAINED JOINTS ARE REQUIRED ON ALL VALVES AND ALL FITTINGS.

19.1. WATERMAINS SHALL BE LAID AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, OR SEWER SERVICES CONNECTION.

19.2.1. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET;

19.2.2. THE WATERWAIN INVERT IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE SEWER;

19.2.3. THE WATERMAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

A WATERMAIN SHALL BE LAID SO THAT ITS INVERT IS EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATERMAINS CROSS STORN SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN (10) FEET MORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENOTH OF WATERMAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

20.3.1. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, AS DESCRIBED IN (1) ABOVE;

20.4. A VERTICAL SEPARATION OF EIGHTEIN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATEBANN SHALL BE WAINTAINED WHERE A WATEBANN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATEBAND.

20.5. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.

ALL WATERMAINS SHALL BE PRESSURE—TESTED FOR A MIN. OF 2 HOURS AT 150 PSI, FLUSHED, AND DISINFECTED IN ACCORDANCE WITH AWMA AND MUNICIPAL SPECIFICATIONS, EACH VALVE SECTION SHALL BE PRESSURE—TESTED FOR A MINIMUM OF ONE (1) HOUR. ALLOWABLE LEXAGE IS PER THE MUNICIPAL STANDARDS. AT NO TIME IS THERE TO BE ANY VISIBLE LEXAGE FROM THE WATERMAIN.

22.1. ALL WATERLINES SHALL BE AWWA APPROVED.

22.2. THE NORMAL WORKING PRESSURE IN THE WATERLINES WILL NOT BE LESS THAN 35 PSI.

22.3. INDIVIDUAL BOOSTER PUMPS WILL NOT BE ALLOWED FOR ANY INDIVIDUAL SERVICE.

WARNING: CONTRACTOR TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

TESTING OF THE PIPE AND COUPLINGS SHALL BE MADE IN ACCORDANCE WITH AWWA C900. REGARDLESS OF THE PLACE OF MANUFACTURE, ALL PIPE SHALL BE TESTED WITHIN THE CONTINENTAL UNITED STATES.

PRESSURE RATING: THE PIPE SHALL BE DR 14 FOR FIRE PROTECTION MAINS AND DR 18 FOR WATER MAINS.

TENSILE STRENCHT-KSI YIELD STRENGTH-PERCENT ELONGATION), IN ANSI/AWWA C110 STANDARDS REGARDING STRENGTH OF MATERIALS.

FITTING JOINTS SHALL BE OF THE STANDARD MECHANICAL JOINT TYPE CONFORMING TO ANSI/AWW C111/A21.11 OR PUSH JOINT TYPE CONFORMING TO ANSI/AWA C111/A21.11, ALL GASKETS, GLANDS AND T-HEAD BOLTS SHALL BE IN ACCORDANCE WITH AWAR C111/A21.11.

WHERE WATERMAINS AND SERVICES CROSS PROPOSED OR EXISTING STREETS, BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL EXTENDING AT LEAST 5 FEET BEYOND THE BACK OF CURB OR EDGE OF PAYEMENT.

PROVIDE AND INSTALL FOUR MEGALUG JOINT RESTRAINTS AT EACH JOINT FROM THE MAINLINE TEE TO THE AUXILIARY VALVE AND BETWEEN THE AUXILIARY VALVE AND THE HYDRANT BARREL

CORPORATION STOPS: CORPORATION STOPS SHALL BE BRONZE BODY KEY STOPS CONFORMING TO AWMA C-BOO AND SHALL INCLUDE "J" BEND, TAILPIECE, AND COMPRESSION FITTINGS. SIZE AND LOCATION AS SHOWN ON THE PLANS.

MAXIMUM DEFLECTION AT PIPE JOINTS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURER'S CURRENT RECOMMENDATIONS AND AWWA SPECIFICATIONS.

19.3. BOTH THE WATERMAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENT TO WATERMAIN STANDARDS OF CONSTRUCTION WHEN IT IS IMPOSSBLE TO MEET (1) OR (2) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE—TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

VERTICAL SEPARATION

ALL SERVICE PIPES SHALL BE BURIED AT LEAST FIFTY-FOUR (54) INCHES DEEP IN THE GROUND.

20.3. BOTH THE WATERMAINS AND SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENT TO WATERMAIN STANDARDS OF CONSTRUCTION WHEN:

20.3.2. OR THE WATERMAIN PASSES UNDER A SEWER OR DRAIN.

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GENERAL PECIFICATIONS 1

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# **DEMOLITION NOTES**

## GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOUTHON OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSBIE, MEASUREMENTS TAKEN IN THE RELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE IF DEMOCRIPE OF THE PROPERTY OF THE WILL IN EFFECTE MITTHE FOR A CONDITION TO THE PROPERTY OF THE MITTHE AND A CONDITION TO THAT IS DANGED PROPERTY OWNER. TO MININGE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF THATFIC IS TO BE ACCOMPLISTED BY USING INDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.
- QUANTITIES DEPICTED ON THIS SHEET SHALL SERVE AS A GUIDE ONLY CONTRACTOR TO VERIFY ALL DEMOLITION QUANTITIES.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS
- EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION. REFER TO THE EROSION CONTROL SHEET.
- REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.

## **DEMOLITION NOTES**

THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIT SEE ANOTHER CITED AND AS SPECIFIED HEREIT SEE AND CHIECUTER L. DRAWMOS FOR LABOR, MARTERIALS, EQUIPMENT AND SERVICE RECESSARY TO COMPLETE THE WORK. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING IEDEM.

- SIDEWALK AND ON-SITE PAVEMENT
   BUILDINGS, FOUNDATIONS, AND SUPPORTING WALLS AND SLABS
   DEBRIS AND FOUNDATIONS FROM ALL DEMOUSHED STRUCTURES
   ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SANCUT FULL DEPTH AT THE EDGES PRIOR TO REMAIL TO GOTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.

CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOUSHED SITE PAVEMENT AS STRUCTURAL FILL.

# DISPOSAL OF DEMOLISHED MATERIALS

REMOVE FROM SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. BURNING OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURES WILL NOT BE FRENITIED ON SITE. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSE OF OFF SITE IN A LEGAL MANNER.

# LANDSCAPE PROTECTION AND REMOVAL

SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION AND REMOVAL.

# UTILITY SERVICES

UNILLY SERVICES

ENSING UNILLES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOUSHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOUTION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHIT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOUSHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTIOR, AND SEALING MOICATED UTILITIES BEFORE STATING DEMOUTION OPERATIONS. EXISTING UTILITIES TO BE ABANDOMED ARE TO BE CAPPED AT BOTH ENDS TO UTILITIES TO BE REMOVED ARE TO BE CAPPED AT BOTH ENDS TO UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAYED AREAS AND TO 90% OF MOD

# UTILITY PROTECTION

UNILTY PROTECTION.

UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL INDIANA BIT (BIT OR 800–382–584) TO COORDINATE FIELD LOCATIONS OF EMISTING UNDERGROUND UTILITIES BEFORE ORDERNO MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY FUNDEER OF ADDITION OF THE OWNER OF A STATE OF THE OWNER OF A STATE OF THE OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY. DAMAGED CASHES/CONDUITS SHALL BE REPLACED INMEDIATELY. ALL EMISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE OWNER OF THE OWNER OWNER

# POLLUTION CONTROLS

USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL COMPLY WITH ALL GOVERNING REQUIATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER REPOSION CONTROL REQUIREMENTS.

COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE INDOT APPROVED CRUSHED LIMESTONE OR APPROVED COULL LISE SATISFACTORS OIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. PRIOR TO PLACEMENT OF TELL MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING MATER, PROST, TROZEN MATERIAL TRASH AND EDEBRIS. S. MACCOLE PER MATERIALS TO SELECT AND THE MATERIALS. EXCEDING 9" IN LOSSE DEPTH, COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.

# SITE NOTES

- ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS, DOOR LOCATIONS, PRIOR TO ORDERING MATERIALS.
- RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
- REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
- 6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS TEMPORARY PROSERVED CONTROL NOTES

# **EROSION CONTROL NOTES**

- TEMPORARY EROSION CONTROL NOTES

  1. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- CONTROL PLAN.

  ANY MAJOR VARRATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A RENNISON AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENWIRONMENTAL SPECALIST, OR ARBORIST AS APPROPRIATE, MAJOR REVISIONS MUST BE APPROVED BY THE PLANINIC AND DEVELOPMENT DEPARTMENT AND THE DRAINAGE UTILITY DEPARTMENT, MINOR CHANGES OR ADDITIONAL CONTROL MESSURES TO BE MADE AS PICEL PREVISIONS TO THE EROSION AND SCHOLESTATION CONTROL PLAN MAY BE REQUIRED FOR ELECTRIC PROVINCE AND SCHOLESTATION CONTROL PLAN MAY BE REQUIRED FOR ELECTRIC PROVINCE AND SCHOLESTATION CONTROL PLAN MAY BE REQUIRED FOR THE CONTROL PROVINCE AND THE CONTROL PROVINCE OF THE CONTROL PROVINCE AND THE CONTROL PROVINCE OF THE CONTROL PROVINCE AND THE CONTROL PROVINCE OF THE CONTROL PROVINCE AND THE CONTR
- CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN 5150 OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
- PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDURAT READOUR FROM THE WATERWAY AND THE PROPERTY AND THE WATERWAY AND THE PROPERTY OF THE DISPOSED OF IN APPROVED SPOIL DISPOSAL STIES.
- PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
- ALL CONTROL DEVICES THAT FUNCTION SMILERLY TO SLIT FERCE OR FIRET PROJECT MATTER FEMALED, REPLACED OR SUPPLIESHED WITH FFECTIVES OMITROLS WHEN THEY BECOME NOR UNCTIONAL OR THE SCOMMENT REACHES ONE—THIRD THE HEIGHT OF THE DEVICE THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
- AL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAS YSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL REMUTED IN EXPOSED SOIL MUST BE RESTABILIZED. THE REMOVAL AND STABILIZED WHICH THE REMOVAL AND STABILIZED WHICH THE REMOVAL AND STABILIZED WHICH THE REMOVAL AND STABILIZED HER SERVICE THAN 7 OF THE REMOVAL AND STABILIZED. THE REMOVAL AND STABILIZED STREAMED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REASONABLE FEFORTS MUST BE USED TO DISTAIN ACCESS. NOTE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATED BY MADE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR THE PLACE THE PROPERTY OF THE PLACE THE P
- ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAYED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY TI-APPROPRIATE MANAGEMENT PRACTICE, LIKE A DEDICATED SITE EXIT WITH AN AGGREGATE SURFACE OR DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SCRAPIN
  IF YOUR PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM
  BEING TRACKED FROM THE SITE.
- SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER, UNLESS OTHERMISE APPROVED UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OF ADMINISTRATOR
- ALL TEMPORARY SESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED TRAPPED SEDIMENT AND OTHE DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIME CONTROL AND/OF FILTRATION DEVOCE. WHEN DEWNSTERING DEVOCES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.

USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERWEW AND IS INTENDED TO CONNEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING INCESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLIDED IN THESE FLANS. THE CONTRACTOR SHALL NOTIFY LEGISLER IN WRITING IMMEDIATLY, PRIOR TO AND/OR DURING CONSTRUCTION FANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RAVANOS JURISDICTION AND ALL OTHER ARPPLICABLE LAWS.

# **GRADING NOTES**

- CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELLY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITH OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE OR EDGE OF PASKLENT UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVIO. SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAYMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
- NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
- MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
- MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES UNLESS OTHERWISE NOTED.
- WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
- 8. MATCH EXISTING FLEVATIONS AT THE PROPERTY LIMITS.

# **UTILITY NOTES**

# **GENERAL UTILITY NOTES**

- ALL WATER LINES SHALL BE PVC C900 DR-14 OR DUCTILE IRON CL
- ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWAYA CODO (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE 36" MINIMUM COVER (PER IDEM).
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE COVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- CONTRACTOR TO CALL INDIANA 811 (811 OR 800-382-5544) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULARE ALL POINTS CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULARE ALL POINTS CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULARE ALL POINTS CONTRACTOR SHALL BE VADIED FOR THE PRIOR THE ORDER OF ANY COMPLET OR REQUIRED DEVALUTIONS FROM THE PLAN. NOTIFICATION SHALL BE WADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENDINGER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE WINICIPALITY SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
- CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER ACENCY HAWING JURISDICTION FOR EXCANTION AND TREACHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LUMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
- 11. SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
- 12. LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
- 13. SEE DETAILS FOR LOCATING STORM STRUCTURES WITHIN THE CURB
- STORMWATER FACILITIES MUST BE FUNCTIONAL BEFORE BUILDING CONSTRUCTION BEGINS.



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В	MAIL BOX	es,	GAS VALVE	<u> </u>	STORM CURB INLET
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0	POST	7	AREA LIGHT	8	STORM ROOF DRAIN
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# BENCHMARKS

SITE BENCHMARKS: (LOCATIONS SHOWN ON SURVEY)

BENCHMARK #1 MAG NAIL SET ALONG NORTH PROPERTY LINE ELEVATION=935.71 (NAVDBB)

BENCHMARK #2 MAG NAIL SET ALONG EAST PROPERTY LINE IN MARLEON RELEVATION=938.77 (NAVDBB).

BENCHMARK #3 MAG NAIL SET ALONG IN BETHEL AVE ROW IN ASPHALT TR. ELEVATION=940.41 (NAVDBB).

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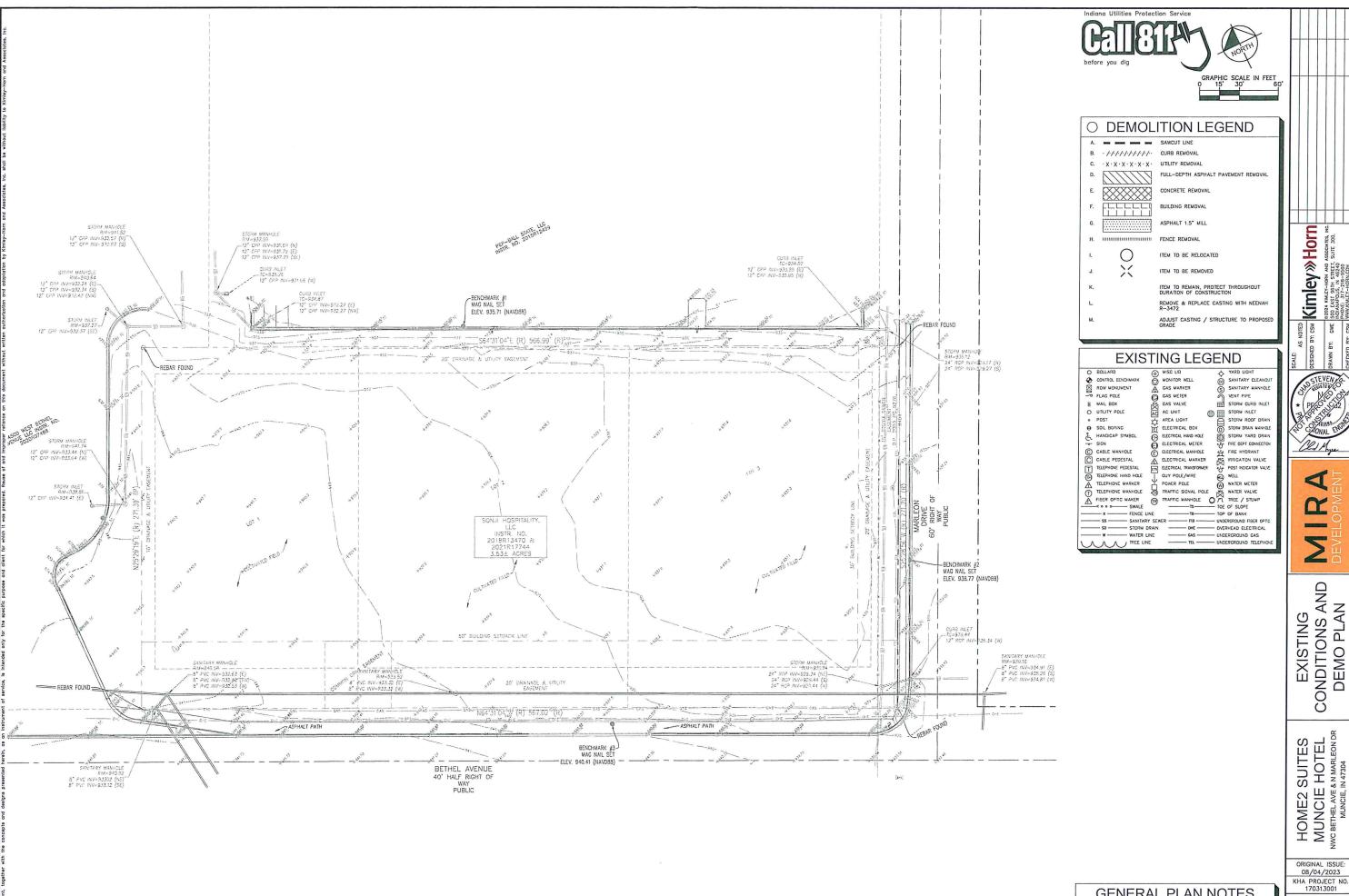


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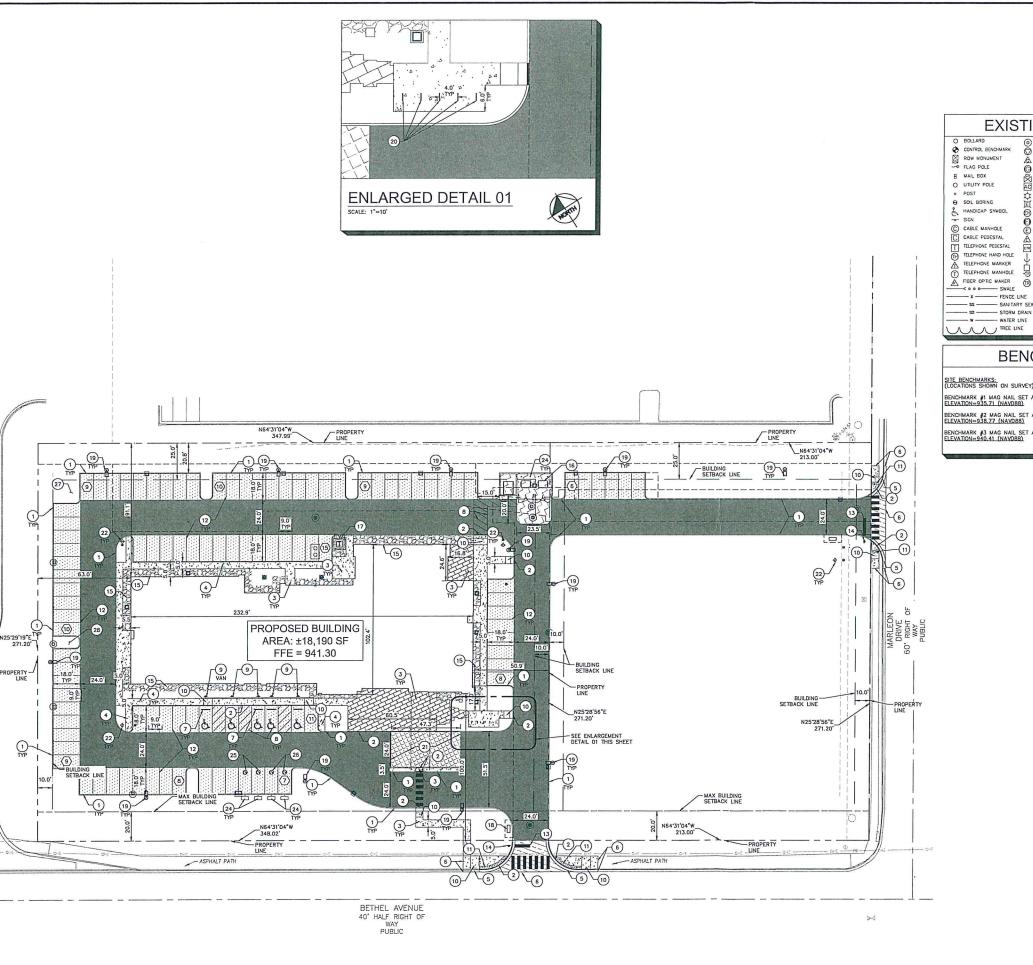
**GENERAL PLAN NOTES** 

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)

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GRAPHIC SCALE IN FEET

# **EXISTING LEGEND**

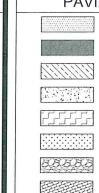
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~	FLAG POLE	G	GAS METER	3	VENT PIPE
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E	HANDICAP SYMBOL	0	ELECTRICAL HAND HOLE		STORM YARD DRAI
-	SIGN	ĕ	ELECTRICAL METER	8	FIRE DEPT CONNECTIO
(C)	CABLE MANHOLE	Ē	ELECTRICAL MANHOLE	ř	FIRE HYDRANT
C	CABLE PEDESTAL	A	ELECTRICAL MARKER	125	IRRIGATION VALVE
T	TELEPHONE PEDESTAL	ETR	ELECTRICAL TRANSFORMER		POST INDICATOR VALV
<u></u>	TELEPHONE HAND HOLE	T	GUY POLE/WRE	Õ	WELL
A	TELEPHONE MARKER	X	POWER POLE		WATER METER
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# **BENCHMARKS**

SITE BENCHMARKS: (LOCATIONS SHOWN ON SURVEY)

BENCHMARK #1 MAG NAIL SET ALONG NORTH PROPERTY LINE ELEVATION=935.71 (NAVDBB)

# PAVING LEGEND



STANDARD DUTY ASPHALT PAVEMENT. SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

HEAVY DUTY ASPHALT PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION RIGHT OF WAY PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

CONCRETE SIDEWALK
SEE CONSTRUCTION DETAILS FOR
PAVEMENT SECTION

HEAVY DUTY CONCRETE PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION ASPHALT TRAIL
SEE CONSTRUCTION DETAILS FOR
PAVEMENT SECTION

LANDSCAPE GRAVEL
SEE LANDSCAPE DETAILS FOR GRAVEL
SECTION

STAMPED CONCRETE SEE ARCHITECTURAL DETAILS FOR CONCRETE SECTION

FROST FREE SLAB SEE CONSTRUCTION DETAILS FOR SLAB

# SITE SUMMARY

SITE ZONING SITE ACREAGE

= VARIETY BUSINESS (V = 2.20 AC.±

= 113 SPACES

= 11 SPACES = 102 = 4 SPACES

= 98 SPACES = 5 SPACES = 103 SPACES

- 1. CONCRETE CURB, TYP. (SEE DETAILS)
- 3. CONCRETE SIDEWALK, TYP. (SEE DETAILS)
- 4. COMBINED CURB AND WALK (SEE DETAIL) (5' FROM FACE OF CURB)

**KEY NOTES** 

- 5. CONCRETE CURB AND GUTTER (SEE DETAILS)
- 6. CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
- 7. CONCRETE PARKING BUMPER TYP. (SEE DETAILS) B. ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)
- ACCESSIBLE PARKING SIGN, TYP. (SEE PLAN FOR VAN LOCATION) (MUTCD R7-8, SEE DETAILS)
- 10. ACCESSIBLE RAMP (SEE DETAILS)
- 11. 2' WIDE TACTILE WARNING STRIP
- 12. 4" WIDE PAVEMENT MARKING, WHITE SOUD LINE, TYP.
- 14. STOP SIGN, TYP. (MUTCD R1-1, SEE DETAILS)
- 15. BUILDING FOUNDATION LANDSCAPE GRAVEL STRIP (REFER TO LANDSCAPE PLAN)
- 16. TRASH COMPACTOR AND ENCLOSURE (SEE ARCHITECTURAL PLANS FOR DETAILS)
- 17. TRANSFORMER PAD WITH SCREEN ENCLOSURE (REFER TO UTILITY PROVIDER)
- 18. MONUMENT SIGN (SEE ARCHITECTURAL PLANS FOR DETAILS)
- UGHT POLES SHOWN FOR COORDINATION ONLY (SEE SITE LIGHTING PLAN)
- 20. BIKE RACK (SEE CONSTRUCTION DETAILS)
- 21. PORTE-COCHERE AREA (SEE ARCHITECTURAL PLANS FOR DETAILS) 22. PROPOSED FIRE HYDRANT (SEE UTILITY PLAN)
- 23. 3-FT TRANSITION CURB (SEE DETAILS)
- 24. CONCRETE BOLLARD, TYP. (SEE DETAILS)
- 25. TESLA EV SPACE
- 26. UNIVERSAL EV SPACE
- 27. RAIN GARDEN (SEE LANDSCAPE PLAN FOR DETAILS)
- 28. STORM WATER PLANTERS (SEE LANDSCAPE PLAN FOR DETAILS)

# **GENERAL PLAN NOTES**

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)

# STRIPING & RAMP NOTES

ON-SITE STRIPING SHALL NOT BE YELLOW PAINT
 ALL STRIPING IN ROW SHALL BE THERMOPLASTIC

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C3.0

PLAN

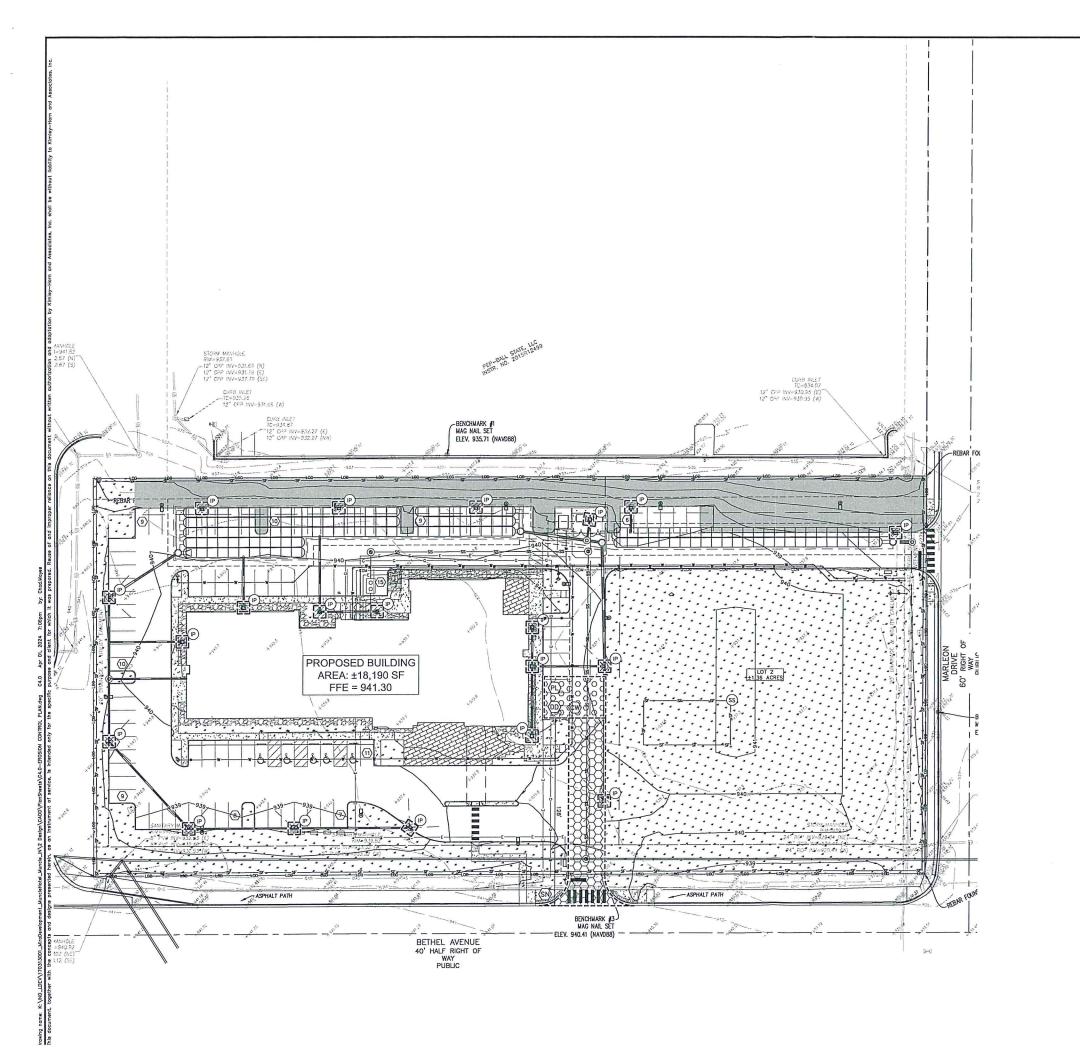
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SITE

HOME2 SUITES MUNCIE HOTEL NWC BETHEL AVE & N MARLEON DR MUNCIE, IN 47304

ORIGINAL ISSUE: 08/04/2023





O EROSION CONTROL LEGEND EB I CE CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS) SILT FENCE (SEE EROSION CONTROL DETAILS) CONCRETE WASHOUT
(SEE EROSION CONTROL DETAILS)
(TO BE DETERMINED BY CONTRACTOR) SS [ (D) Is PROPOSED CONTOURS (NS) N.O.I. SIGN STAGING AREA (D) DEBRIS DUMPSTER

PORT-O-LET

(PL)

© CABLE PROBERIAL  © CABLE MANHOLE  © CABLE PROBESTAL  © TELEPHONE PROSETS  © CABLE MANHOLE  © CABLE PROBESTAL  © TELEPHONE MANGALE  © TE		YARD LIGHT	0		MISC LID	0	BOLLARD	0
RAG POLE  B MAIL BOX  O UTILITY POLE  S POST  S POST  HANDICAP STRUCK  B HANDICAP STRUCK  C CASLE MANHOLE  C CASLE MANHOLE  C CASLE PRESTAL  TILEPHONE PRESTAL  TILEPHONE PRESTAL  TILEPHONE MARKER  TILEPHONE MAR	ANOUT	SANITARY CLEA	6		MONITOR WELL	ĕ	CONTROL BENCHMARK	0
GAS VALVE STORM CURB  O UTILITY POLE  POST  SON  CABLE HEATHOR LATE  CABLE PEDESTAL  CABLE PEDESTAL  TILEPHONE MAND HOLE  OUT LICEPHONE MAND HOLE  CABLE PEDESTAL  TILEPHONE MAND HOLE  OUT POLE/WRE	NHOLE	SANITARY MAN			GAS MARKER	A	ROW MONUMENT	×
B MAIL BOX O UTILITY POLE O POST O STORM UNDER O STORM UND		VENT PIPE	3		GAS METER	0	FLAG POLE	
POST STORM ROOF     SOAL BORNO	INLET	STORM CURB I			GAS VALVE	8	MAIL BOX	8
POST SOIL BORING HANDICAP SYMBOL CABLE PROESTAL TILEPHONE PROSTAL TILEPHONE MANNOLE		STORM INLET	m	€	AC UNIT	Ka	UTILITY POLE	0
ELECTRICAL MADI ROLE SIGN VABO CABLE MANHOLE CITY CABLE PEDESTAL THE TELEPHONE HAND HOLE THE THOME MANHOLE THE	DRAIN	STORM ROOF D	ā	Φ	AREA LIGHT	7	POST	0
ELECTRICAL MADI ROLE SIGN VABO CABLE MANHOLE CITY CABLE PEDESTAL THE TELEPHONE HAND HOLE THE THOME MANHOLE THE	ANHOLE	STORM DRAIN MA	묾		ELECTRICAL BOX	資	SOIL BORING	0
SIGN ELECTRICAL METER TO RECEPT COM.  C CABLE PEDESTAL ELECTRICAL MARKER  C CABLE PEDESTAL ELECTRICAL MARKER  THE LEPHONE PEDESTAL COMPONENT COMPO	DRAIN	STORM YARD D		Œ	ELECTRICAL HAND HOL		HANDICAP SYMBOL	ع
© CABLE MANHOLE  © LECRICAL MANHOLE  ∴ ARE HYDRANI  THEPHONE PEDESTAL  ⊕ ELECTRICAL MANKER  ⊕ POST MOIGATOR  ⊕ WELL  ⊕ WELL  ⊕ WATER WATER WATER  TELEPHONE MANKER  ⊕ POWER POLE  ⊕ WATER WATER WATER	ECTION	FIRE DEPT CONNE		R	ELECTRICAL METER		SIGN	-
C CABLE PEDESTAL  TELEPHONE PEDESTAL  TELEPHONE PEDESTAL  TO TELEPHONE HAND HOLE  TELEPHONE MARKER  TELEPHONE MARKER  TELEPHONE MARKER  TELEPHONE WANHOLE  TRAFFIC SIGNAL POLE  WAITER WALVE	г	FIRE HYDRANT	**	LE.	ELECTRICAL MANHOL		CABLE MANHOLE	(C)
TELEPHONE HAND HOLE  A TELEPHONE WARKER  TELEPHONE WANHOLE  TELEPHONE WANHOLE  TRAFFIC SIGNAL POLE  WATER METER  WATER WATER VALVE	LVE	IRRIGATION VAL	RS.	KER	ELECTRICAL MARK	A	CABLE PEDESTAL	C
TELEPHONE HAND HOLE  A TELEPHONE WARKER  TELEPHONE WANHOLE  TELEPHONE WANHOLE  TRAFFIC SIGNAL POLE  WATER METER  WATER WATER VALVE	VALVE	POST INDICATOR	***	RVER	ELECTRICAL TRANSFOR	ETR	TELEPHONE PEDESTAL	Ħ
TELEPHONE MARKER  TELEPHONE MANHOLE  TRAFFIC SIGNAL POLE  WATER METER WATER VALVE		WELL			GUY POLE/WRE	T	TELEPHONE HAND HOLE	
TELEPHONE MANHOLE TRAFFIC SIGNAL POLE WATER VALVE		WATER METER			POWER POLE	Ж	TELEPHONE MARKER	
A FIRST CORPORATION OF THE CORPO		WATER VALVE		POLE	TRAFFIC SIGNAL P	-69	TELEPHONE MANHOLE	
	P	TREE / STUMP	A	0	TRAFFIC MANHOLE	(FR)	FIBER OPTIC MAKER	
O O O SWALE TS-TOE OF SLOPE		OF SLOPE	TOE		TS		< 0 0 0 SWALE	
X FENCE LINETB TOP OF BANK		OF BANK	TOP		——тв—	INE	x FENCE I	
SS — SANITARY SEWER — FIB — UNDERGROUND FIBER	OPTIC	RGROUND FIBER	UNDE		ER FIB	Y SEV	- SS SANITAR	-
SO STORM DRAIN OHE OVERHEAD ELECTRIC	CAL	HEAD ELECTRIC	OVER		OHE	DRAIN	— SO ——— STORM	

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EROSION CONTROL PLAN

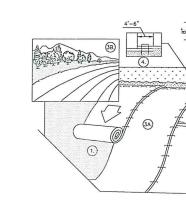
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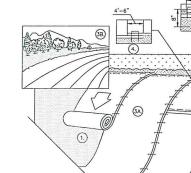
ORIGINAL ISSUE: 08/04/2023 KHA PROJECT NO. 170313001

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CONCRETE WASHOUT

NOTES

10 MIL -PLASTIC LINING

SECTION B-B NOT TO SCALE

(2 PER BALE) 7

STAPLE DETAIL

1. ACTUAL LAYOUT DETERMINED IN FIELD.

-0.5" LAG SCREWS

# SODDING MULCHING A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE D WHEAT OR CEREAL \* IRRIGATION NEEDED DURING JUNE RYE 150 LBS/ACRE \* AND AUGUST KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE C SPRING DATS 100 LBS/ACRE

PERMANENT

# SEEDING CHART

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTON OF THE TRENCH, BACKFILL AND COUPACT THE TRENCH ATTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD BEADAINKS 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL AND FOLD BEADAINKS 12" ORTHOR WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE BLANKETS (3.A.) DOWN OR (3B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6° OVERLAP, TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WOTH.

7. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

NOTES:

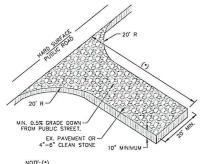
1. N. LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.

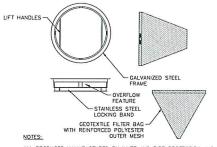
EROSION CONTROL BLANKET (SLOPE INSTALLATION)

(5.)

N.T.S.



NOTE:(\*)
50' FOR LAND DISTURBANCE SMALLER THAN 2.0 AC.
150' FOR LAND DISTURBANCE LARGER THAN 2.0 AC.
CONSTRUCTION ENTRANCE



ALL PRODUCTS MANUFACTURED BY INLET AND PIPE PROTECTION, INC OR APPROVED EQUAL.

NOTE: INLET FILTERS ARE SLIGHTLY SMALLER THAN THE INLET GRATE SIZES. WHEN IDENTIFYING OR SPECIFYING FILTERS/CASTINGS PLEASE REFER TO THE DIAMETER 70 OR WIDTH "W" AND HEIGHT 1" OF FILTER FRAMES OR CASTING GRATES. YOU MAY ALSO REFER TO OUR CASTING CROSS REFERENCE GUIDE FOR INDOT STRANDARDS

NOTE: ROUND AND SQUARE INLET FILTERS AVAILABLE FOR MOST NEENAH AND EAST JORDAN BEEHIVE, ROLL CURB AND CURB BOX FRAME TYPES

ALL IPP INLET FILTERS TO CONFORM TO INDOT SPECIFICATIONS.

INLET PROTECTION

Kimley» Horn STREET, 46240 -9560 N.COM AS NOTED

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EROSION CONTROL DETAILS

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