# SCHOOL TOWN OF MUNSTER 2025 NEW TENNIS FACILITY MUSTER HIGH SCHOOL 8808 COLUMBIA AVE, MUNSTER, IN 46321

### **INDEX OF DRAWINGS**

TITLE SHEET

### **CIVIL - WT GROUP 224.293.6333**

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### ARCHITECTURAL - DLA ARCHITECTS, LTD 847.742.4063

ENLARGED SITE PLAN **ENLARGED SITE PLANS & DETAILS ENLARGED SITE PLANS & DETAILS** 

**ELECTRICAL DETAILS** 

SYMBOLS LEGEND

### **ELECTRICAL - MILLIES ENGINEERING GROUP 219.924.8400**

**ABBREVIATIONS** 

**ENLARGED SITE PLAN - ELECTRICAL** ENLARGED PLATFORM PLANS - ELECTRICAL ELECTRICAL DETAILS

**GENERAL NOTES** 

- VERIFY ALL EXISTING CONDITIONS RELATED TO CONSTRUCTION COMPARED TO THE INFORMATION PROVIDED IN THE CONSTRUCTION DOCUMENTS. IF
- COORDINATE ALL TRADES PRIOR TO PERFORMING WORK INCLUDING BUT NOT LIMITED TO MECHANICAL. PLUMBING. ELECTRICAL. AND STRUCTURAL OTHER WORK MAY BE PERFORMED UNDER A SEPARATE CONTRACT. COORDINATE WITH ALL OTHER CONTRACTED TRADES SO AS TO NOT INTERFERE WITH STORE MATERIALS IN A MANNER NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN INAPPROPRIATE LOAD ON ANY STRUCTURE DURING
- CONSTRUCTION. SHUT-DOWNS. IF AT ALL POSSIBLE, COMBINE UTILITY SHUT-DOWNS TO MINIMIZE THE IMPACT OF THE OWNER'S OPERATION OF EXISTING FACILITIES. SEE SPECIFICATIONS FOR ANY FURTHER DETAILS. LOCATE ALL MATERIALS, EQUIPMENT, TRUCKS, DUMPSTERS, AND CONSTRUCTION FACILITIES IN AREAS APPROVED BY OWNER. SPECIAL CARE SHALL BE TAKEN
- TO PREVENT DAMAGE TO EXISTING BUILDING STRUCTURE, LANDSCAPING, AND PAVED AREAS. PROVIDE WOOD PLANK PROTECTION BELOW ALL DUMPSTERS AND OTHER HEAVY EQUIPMENT. ALL DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT NO EXPENSE TO THE OWNER. PROTECT OR SAFELY STORE ALL BUILDING AND SITE ELEMENTS THAT ARE SCHEDULED TO REMAIN OR BE REUSED TO AVOID DAMAGE DURING THE CONSTRUCTION PROCESS. DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT NO EXPENSE TO THE OWNER. REPAIR ALL AREAS DAMAGED FROM THE CONSTRUCTION WORK. PATCH AND/OR PROVIDE NEW FINISHES AT ALL DAMAGED AREAS WITH MATERIALS AND
- FINISHES TO MATCH THE EXISTING CONDITIONS. NEW MATERIALS AND FINISHES SHALL BE BROUGHT TO A STOPPING POINT TO MINIMIZE DETECTION OF REPAIR, VERIFY LOCATIONS WITH ARCHITECT. ALL WORK OUTLINED IN THE PROJECT SCOPE THAT EXTENDS INTO AREAS LABELED "NIC" SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK TO INSURE A COMPLETE AND FULLY OPERATIONAL SYSTEM. TAKE SPECIAL CARE NOT TO DAMAGE OR INTERRUPT THE EXISTING SERVICES INCLUDING, BUT NOT LIMITED TO, ELECTRICAL WIRING, PNEUMATIC CONTROL LINES, SOUND SYSTEM WIRING, FIRE ALARM WIRING, COMPUTER/NETWORK CABLING, AND TEMPERATURE CONTROLS. THESE ITEMS AND THE LIKE ARE FULLY OPERATIONAL. VERIFY THE CONDITION AND OPERATION OF EACH SYSTEM BEFORE, DURING, AND AFTER CONSTRUCTION. SYSTEMS DAMAGED DURING
- COORDINATE THE SIZE AND LOCATION OF ALL NEW DUCT OPENINGS AND PENETRATIONS IN WALLS AND FLOORS WITH MECHANICAL, PLUMBING, AND ELECTRICAL TRADES PRIOR TO PERFORMING WORK. PROVIDE ALL REQUIRED LINTELS FOR THESE OPENINGS ALONG WITH FIRESTOPPING AS REQUIRED BY THE FIRE RATING OF THE WALL.

CONSTRUCTION SHALL BE PLACED BACK INTO SERVICE PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER. REFER TO THE MEP DRAWINGS FOR

DO NOT SCALE THE DRAWINGS TO DETERMINE A DIMENSION. 14. ALL PLAN DIMENSIONS ARE SHOWN AND INDICATED WITH A NOMINAL WIDTH. 15. INTERIOR DIMENSIONS ARE FROM FINISH TO FINISH UNLESS SPECIFICALLY NOTED OTHERWISE. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR DETAILS ARE TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. IF IN QUESTION, VERIFY APPLICATION WITH

ARCHITECT PRIOR TO SUBMITTING A BID AND/ OR PERFORMING WORK.

ROOM IDENTIFICATION TAG		NODTHARROW	, and	WALL TYPE TAO	ACT AFF	ACOUSTICAL CEILING TILE ABOVE FINISHED FLOOR	GA GALV	GAGE, GAUGE GALVANIZED	QT	QUARRY TILE
ROOM ——— ROOM NAME  ROOM NUMBER		NORTH ARROW	[XX]	WALL TYPE TAG	ALUM APPROX	ALUMINUM APPROXIMATE	GC GYP	GENERAL CONTRACTOR GYPSUM	RCP REQ'D	REFLECTED CEILING PLAN REQUIRED
DOOR IDENTIFICATION TAG	~		(1hr)	WALL FIRE RATING TAG	AV	AUDIO/VISUAL	1.18.4	LIGHTONANTTAL	RTB	RESILENT TACKBOARD
	£ 2		8' MB	MARKERBOARD	B/	BOTTOM OF	НМ	HOLLOW METAL	SCH	SCHEDULE
101-1 DOOR LOCATION	<b>4</b> 3	REVISION CLOUD		WARKERBOARD	BD	BOARD	INT	INTERIOR	SFRM	SPRAY-APPLIED FIRE-
DOOR NUMBER			4' TB	TACKBOARD						RESISTIVE MATERIALS
ELEVATION TAG	Ġ.	HANDICAP ACCESSIBLE		TACKBOARD	CJ CMU	CONTROL JOINT CONCRETE MASONRY UNIT	INFO	INFORMATION	SIM SOG	SIMILAR SLAB ON GRADE
			DM	DISPLAY MONITOR	CONT	CONTINUOUS	MAX	MAXIMUM	SPECS	SPECIFICATIONS
DRAWING NUMBER	G	AREA OF REFUGE		DISPLAT MONITOR	CPT	CARPET	MECH	MECHANICAL	STRUCT	STRUCTURAL
AX.X — SHEET NUMBER SIM	٥			AUTOMATIC EXTERNAL	CT	CERAMIC TILE	MEP	MECHANICAL, ELECTRICAL,		
	$\langle 1 \rangle$	DEMOLITION KEYNOTE	AED	DEFIBRILLATOR	D0	DOMNOBOLIT	MED	PLUMBING	T/	TOP OF
SECTION TAG				FIRE EXTINGUISHER	DS DWG(S)	DOWNSPOUT DRAWING(S)	MFR MIN	MANUFACTURE(R) MINIMUM	TYP	TYPICAL
SIM — TAG NOTE	<del>\( 101 \)</del>	FLOOR PLAN KEYNOTE	O FE	FIRE EXTINGUISHER		DIAWING(5)	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
——— DRAWING NUMBER	(10.1)			RECESSED FIRE	EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT		
A101 — SHEET NUMBER	$\langle 0 \rangle$	ELEVATION KEYNOTE		EXTINGUISHER CABINET	ELEC	ELECTRICAL			VB	VINYL BASE
NOTE APPOWER	<u> </u>	,	FEC	W/ FIRE EXTINGUISHER	EQ ETR	EQUALLY SPACED EXISTING TO REMAIN	OC OD	ON CENTER OUTSIDE DIAMETER	VCT VIF	VINYL COMPOSITION TILE VERIFY IN FIELD
NOTE: ARROW FILL REMOVED WHEN	BL-###	BORROWED LIGHT TAG			EWC	ELECTRIC WATER COOLER	OPP	OPPOSITE	VIF	VERIFY IN FIELD
USING THE BUILDING	DL IIIII	BOTH TOTAL ELECTION OF THE STATE OF THE STAT		RECESSED FIRE	EXT	EXTERIOR	OZ	OUNCE	WP	WORK POINT
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DETAIL TAG	(XXX-X)	CEILING HEIGHT AND TYPE TAG		W/ FIRE EXTINGUISHER	FBO	FURNISHED BY OTHERS	PLAM	PLASTIC LAMINATE		
	(XXX-X)	THETAG	FEC/FB	& FIRE BLANKET	FD FRTW	FLOOR DRAIN FIRE RETARDANT TREATED WOOD	PLBG PS	PLUMBING PROJECTION SCREEN		
SIM — TAG NOTE  DRAWING NUMBER				COMBINATION UNIT	FP FP	FIRE PROTECTION	PSF	POUNDS PER SQUARE FOOT		
A101 — SHEET NUMBER		FINISH TAG	PS				PSI	POUNDS PER SQUARE INCH		
	<b>.</b>			PROJECTION SCREEN						
	<del>•</del>	DATUM TAG		DDG ISOTOD I NUT						
AREA A	<b>.</b>		PU	PROJECTOR UNIT - SEE ELEC						
AREA B	<del></del>	ELEVATION HEIGHT								
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LICENSED ARCHITECT'S CERTIFICATION OF PLANS AND SPECIFICATIONS FOR NEW CONSTRUCTION

I hereby certify that these plans and specifications, dated <u>August 12</u>, 2025 for MUSTER HIGH SCHOOL, NEW TENNIS FACILITY, located at 8808 COLUMBIA AVE, MUNSTER, IN 46321, for SCHOOL TOWN OF MUNSTER, were prepared under my supervision using the INDIANA ADMINISTRATIVE CODE and the 2012 INTERNATIONAL BUILDING CODE.

Architect's Firm: Architect's Name:

DLA Architects, Ltd.

License Number:

EDWARD LUKAS WRIGHT <u>IN #AR12400146</u>

License Expiration: Signature:

AUGUST 12, 20 TITLE SHEET

#### **SITE DEMOLITION NOTES:**

- A. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- B. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE
- CONSTRUCTED, TESTED, AND PLACED IN OPERATION. C. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AND COMPLY WITH THE NPDES II REQUIREMENTS OF
  - THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE INDIVIDUAL STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT. D. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED OR
  - DEMOLISHED SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE
  - E. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL
- ACCORDING TO THE GEOTECHNICAL REPORT. F. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS)
- INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR. G. CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS SERVICES
- H. ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED. I. ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS. K. CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S
- REQUIREMENTS. L. ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- M. PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT
- SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- O. SEE SHEETS 3 OF 3 TOPOGRAPHICAL SURVEY FOR ALL EXISTING LOCATED UTILITY
- P. CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. Q. ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE
- FOR THE DURATION OF CONSTRUCTION. R. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS

#### **PROJECT NOTES:**

- EXISTING ASPHALT PATH TO REMAIN. 2. NEW FULL DEPTH SAWCUT TO PROVIDE CLEAN CONSTRUCTION BREAK. 3. EXISTING ASPHALT PAYEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE NEW PAVEMENT CROSS SECTIONS (NEW SUBGRADE ELEVATION). SEE THE SITE GRADING PLAN FOR NEW FINISHED ELEVATIONS AND DETAIL SHEETS FOR NEW PAYEMENT CROSS SECTIONS.
- BOTTOM OF THE NEW PAVEMENT CROSS SECTIONS (NEW SUBGRADE ELEVATION). SEE THE SITE GRADING PLAN FOR NEW FINISHED ELEVATIONS AND DETAIL SHEETS FOR NEW PAYEMENT CROSS SECTIONS. 8. EXISTING ELECTRIC TRANSFORMER TO BE REMOVED.
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- 15. EXISTING STORM SEWER TO REMAIN. 16. EXISTING CURB AND GUTTER TO BE REMOVED. 17. NEW 2' WIDE BUTT JOINT.
- 18. EXISTING SIGN TO REMAIN.
  19. EXISTING ASPHALT PAVEMENT TO REMAIN. 20. EXISTING CURB AND GUTTER TO REMAIN

### **DEMOLITION LEGEND**

--- WM ---- WM ---- EXISTING WATER MAIN — GAS — GAS — EXISTING GAS SERVICE — UGE —— UGE —— UGE — EXISTING UNDERGROUND ELECTRIC SERVICE — UGT —— UGT —— UGT — EXISTING UNDERGROUND TELCO SERVICE — OHL —— OHL — EXISTING OVERHEAD LINES

> EXISTING CATCH BASIN / INLET EXISTING BEEHIVE CATCH BASIN

EXISTING MANHOLE EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH



48 HOURS BEFORE CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA



EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH



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WT GROUP JOB NUMBER - C2400072 SITE DEMOLITION WT GROUP
Structural | Mechanical/Electrical/Plumbing Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Managem Engineering with Precision, Pace & Passion.

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AUGUST 12, 2025

PROJECT#

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- ARE UNKNOWN. H. ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
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- J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS. K. CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS
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AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.

- N. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- O. SEE SHEETS 3 OF 3 TOPOGRAPHICAL SURVEY FOR ALL EXISTING LOCATED UTILITY
- P. CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. Q. ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- R. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

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- EXISTING ASPHALT PATH TO REMAIN. NEW FULL DEPTH SAWCUT TO PROVIDE CLEAN CONSTRUCTION BREAK. 3. EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE NEW PAVEMENT CROSS SECTIONS (NEW SUBGRADE ELEVATION). SEE THE SITE GRADING PLAN FOR NEW FINISHED ELEVATIONS AND DETAIL SHEETS FOR NEW PAYEMENT CROSS SECTIONS. 4. EXISTING AREA LIGHT TO BE REMOVED.
- 7. EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE NEW PAVEMENT CROSS SECTIONS (NEW SUBGRADE ELEVATION). SEE THE SITE GRADING PLAN FOR NEW FINISHED ELEVATIONS AND DETAIL SHEETS FOR NEW PAVEMENT CROSS SECTIONS.
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- 16. EXISTING CURB AND GUTTER TO BE REMOVED. 17. NEW 2' WIDE BUTT JOINT. 18. EXISTING SIGN TO REMAIN.
- 19. EXISTING ASPHALT PAYEMENT TO REMAIN. 20. EXISTING CURB AND GUTTER TO REMAIN

5. EXISTING TREE TO BE REMOVED. 6. EXISTING GAZEBO TO BE REMOVED.

#### **DEMOLITION LEGEND**

--- VM ---- VM ---- VM ---- EXISTING WATER MAIN — GAS — GAS — EXISTING GAS SERVICE — UGE —— UGE —— UGE — EXISTING UNDERGROUND ELECTRIC SERVICE — UGT —— UGT —— UGT — EXISTING UNDERGROUND TELCO SERVICE — OHL —— OHL — EXISTING OVERHEAD LINES EXISTING CATCH BASIN / INLET

EXISTING BEEHIVE CATCH BASIN EXISTING MANHOLE

EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH



48 HOURS BEFORE CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA

OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK







WT GROUP JOB NUMBER - C2400072 SITE DEMOLITION WT GROUP Structural | Mechanical/Electrical/Plumbing Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Managem Engineering with Precision, Pace & Passion. 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

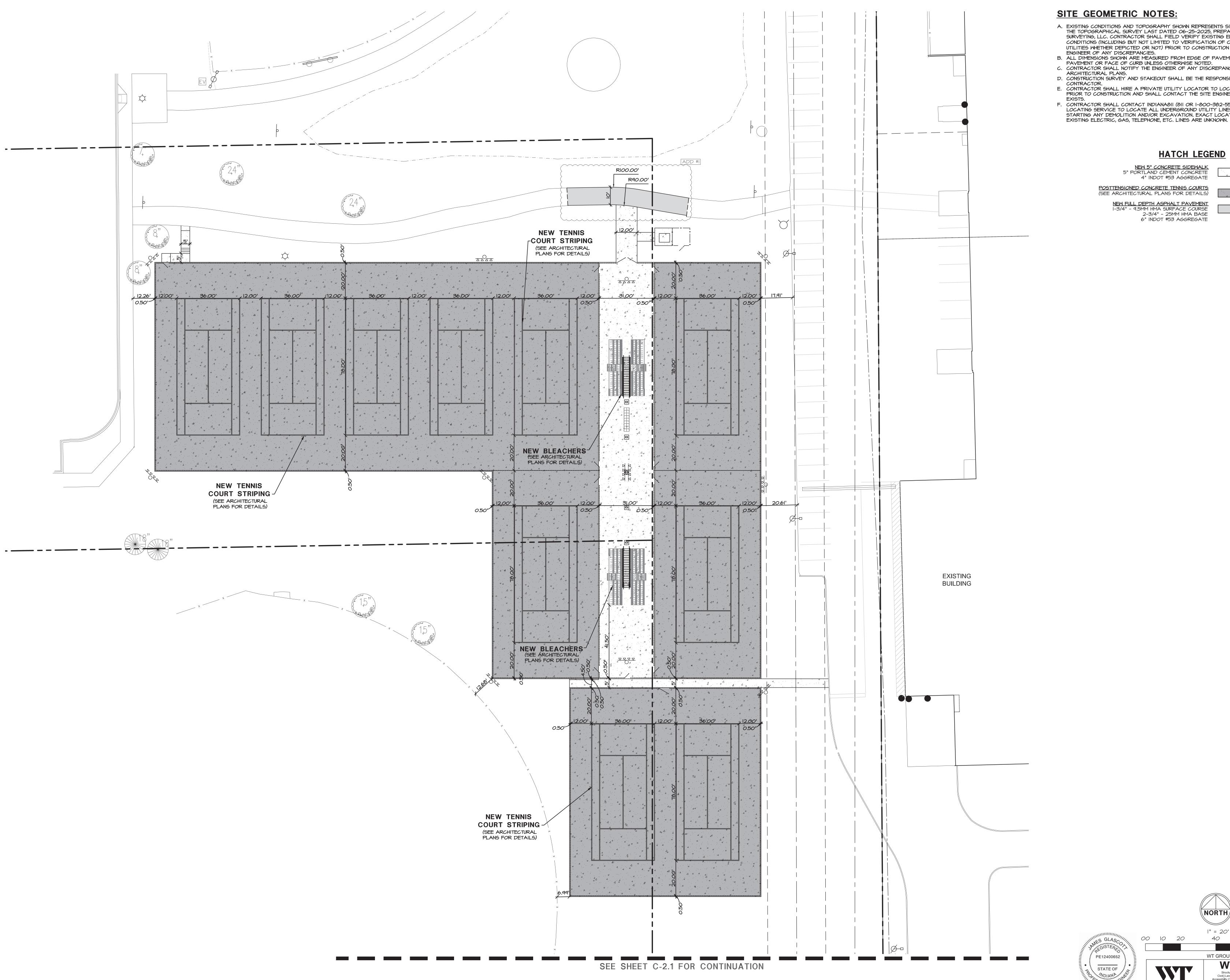
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AUGUST 12, 2025

PROJECT#

SHEET TITLE:



#### **SITE GEOMETRIC NOTES:**

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY
- ENGINEER OF ANY DISCREPANCIES. B. ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED. C. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE
- ARCHITECTURAL PLANS. D. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. E. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES
- PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT F. CONTRACTOR SHALL CONTACT INDIANABII (BII OR I-800-382-5544) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY

#### **HATCH LEGEND**

NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE

4" INDOT #53 AGGREGATE

POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS)

NEW FULL DEPTH ASPHALT PAVEMENT 1-3/4" - 9.5MM HMA SURFACE COURSE

2-3/4" - 25MM HMA BASE 6" INDOT #53 AGGREGATE

PROJECT #
DATE:

WT GROUP JOB NUMBER - C2400072

WT GROUP

Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion.

SHEET:

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STATE OF

#### SITE GEOMETRIC NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED. C. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE
- ARCHITECTURAL PLANS. D. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- E. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT
- F. CONTRACTOR SHALL CONTACT INDIANABII (BII OR I-800-382-5544) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.

#### **HATCH LEGEND**

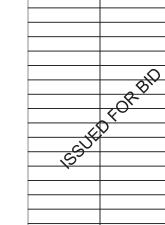
NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" INDOT #53 AGGREGATE

POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS)

NEW FULL DEPTH ASPHALT PAVEMENT 1-3/4" - 9.5MM HMA SURFACE COURSE 2-3/4" - 25MM HMA BASE 6" INDOT #53 AGGREGATE

follows

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WT GROUP

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Civil | Land Survey | Telecommunication | Aquatic
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Engineering with Precision, Pace & Passion.

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wtengineering.com

COONDICATE 2025 THE WAY 2000 ID 115

#### SITE DEVELOPMENT NOTES:

A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER

OF ANY DISCREPANCIES. B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS. C. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE

D. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE

CONTRACTOR. E. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. F. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.

G. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO INDOT STANDARD SPECIFICATIONS. H. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET. I. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR

J. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING. K. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.

L. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION

M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

N. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

#### **PROJECT NOTES:**

I. NEW POSTTENSIONED CONCRETE TENNIS COURTS. (SEE ARCHITECTURAL PLANS FOR DETAILS).

 NEW 5" CONCRETE SIDEWALK.
 NEW CONCRETE STEPS. 4. EXISTING ASPHALT PATH TO REMAIN. 5. NEW FULL DEPTH SAWCUT TO PROVIDE CLEAN CONSTRUCTION BREAK.

6. NEW FULL DEPTH ASPHALT PAVEMENT. I. EXISTING AREA LIGHT TO REMAIN.

8. EXISTING TREE TO REMAIN. 9. NEW 2' WIDE BUTT JOINT.

IO. EXISTING SIGN TO REMAIN. II. EXISTING ASPHALT PAVEMENT TO REMAIN. 12. EXISTING CURB AND GUTTER TO REMAIN

13. NEW B6.12 CONCRETE CURB AND GUTTER. 14. NEW TENNIS COURT STRIPING. (SEE ARCHITECTURAL PLANS FOR DETAILS).

15. NEW BLEACHERS. (SEE ARCHITECTURAL PLANS FOR DETAILS). 16. NEW STADIUM LIGHTING. (SEE PHOTOMETRIC PLANS FOR DETAILS). 17. NEW CONCRETE STAIRS. (SEE ARCHITECTURAL PLANS FOR DETAILS).

18. NEW PAD MOUNTED ELECTRIC TRANSFORMER. (SEE ELECTRICAL PLANS FOR

19. NEW FENCE AND GATE. (SEE ARCHITECTURAL PLANS FOR DETAILS). 20. NEW 6" BARRIER CURB. 21. EXISTING FENCE TO REMAIN.

22. RE-STRIPE TO MATCH EXISTING.

#### **HATCH LEGEND**

NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" INDOT #53 AGGREGATE

POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS)

NEW FULL DEPTH ASPHALT PAVEMENT 1-3/4" - 9.5MM HMA SURFACE COURSE 2-3/4" - 25MM HMA BASE 6" INDOT #53 AGGREGATE



PROJECT#
DATE: DEVELOPMENT WT GROUP
Structural | Mechanical/Electrical/Plumbing PLAN

00 10 20

STATE OF

Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion. 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444 wtengineering.com © COPYRIGHT 2025 THE W-T GROUP, LL

#### **SITE DEVELOPMENT NOTES:**

A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL

UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.

C. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE D. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE

CONTRACTOR. E. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. F. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.

G. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO INDOT STANDARD SPECIFICATIONS. H. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET.

I. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR J. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING

K. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO

CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.

L. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION. M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE

ROADWAYS/PARKING LOT TO MATCH EXISTING.

GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS. N. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

#### **PROJECT NOTES:**

I. NEW POSTTENSIONED CONCRETE TENNIS COURTS. (SEE ARCHITECTURAL PLANS FOR DETAILS).

 NEW 5" CONCRETE SIDEWALK.
 NEW CONCRETE STEPS. 4. EXISTING ASPHALT PATH TO REMAIN.

5. NEW FULL DEPTH SAWCUT TO PROVIDE CLEAN CONSTRUCTION BREAK. 5. NEW FULL DEPTH ASPHALT PAVEMENT.

1. EXISTING AREA LIGHT TO REMAIN. 8. EXISTING TREE TO REMAIN. 9. NEW 2' WIDE BUTT JOINT.

IO. EXISTING SIGN TO REMAIN. II. EXISTING ASPHALT PAVEMENT TO REMAIN. 12. EXISTING CURB AND GUTTER TO REMAIN

13. NEW B6.12 CONCRETE CURB AND GUTTER. 14. NEW TENNIS COURT STRIPING. (SEE ARCHITECTURAL PLANS FOR DETAILS). 15. NEW BLEACHERS. (SEE ARCHITECTURAL PLANS FOR DETAILS).

16. NEW STADIUM LIGHTING. (SEE PHOTOMETRIC PLANS FOR DETAILS). 17. NEW CONCRETE STAIRS. (SEE ARCHITECTURAL PLANS FOR DETAILS).

18. NEW PAD MOUNTED ELECTRIC TRANSFORMER. (SEE ELECTRICAL PLANS FOR DETAILS). 19. NEW FENCE AND GATE. (SEE ARCHITECTURAL PLANS FOR DETAILS). 20. NEW 6" BARRIER CURB.

21. EXISTING FENCE TO REMAIN. 22. RE-STRIPE TO MATCH EXISTING.

#### **HATCH LEGEND**

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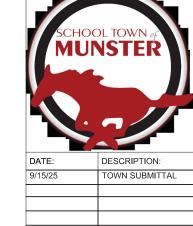
STATE OF

NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE

4" INDOT #53 AGGREGATE POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS)

NEW FULL DEPTH ASPHALT PAVEMENT 1-3/4" - 9.5MM HMA SURFACE COURSE 2-3/4" - 25MM HMA BASE 6" INDOT #53 AGGREGATE

4632



PROJECT#

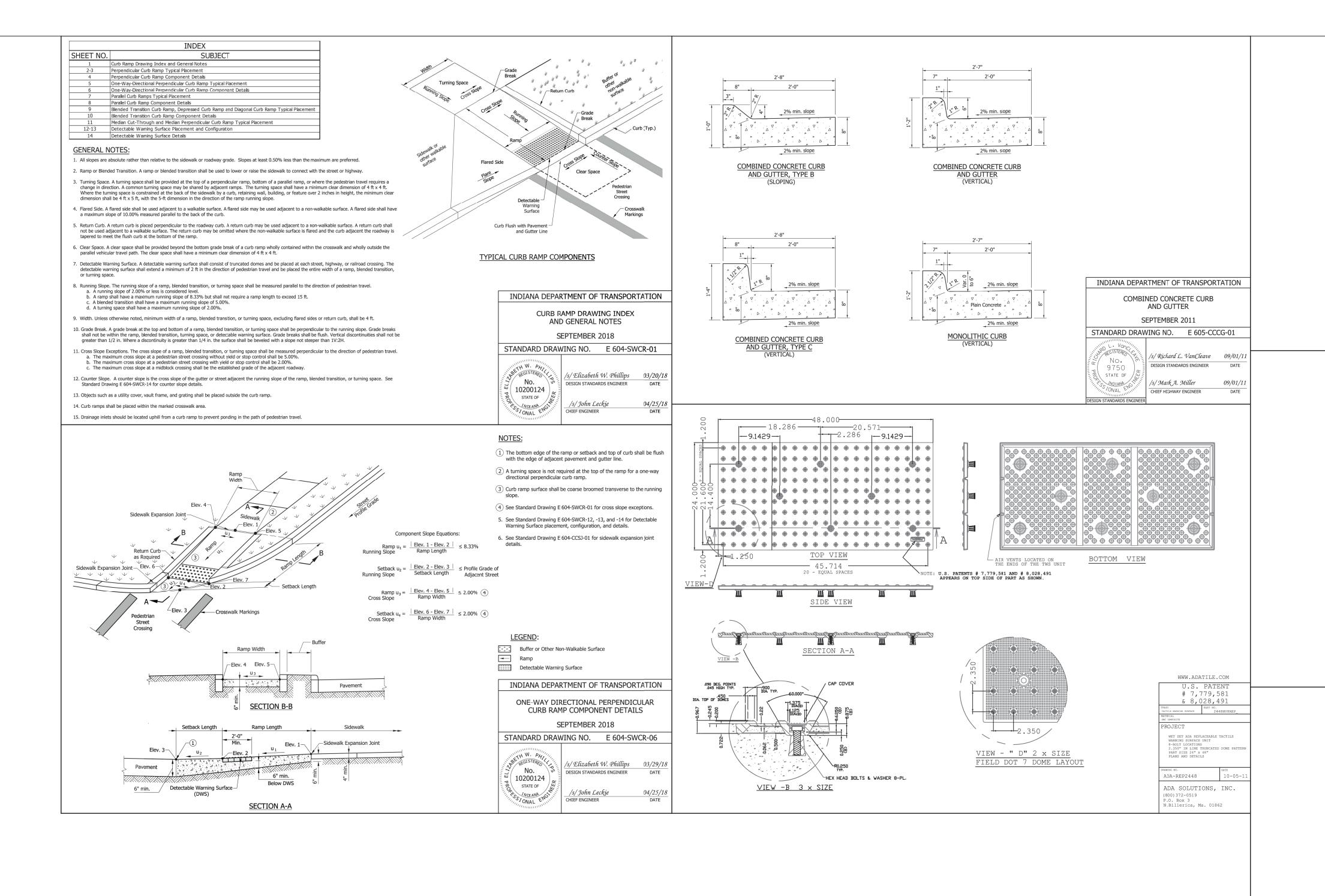
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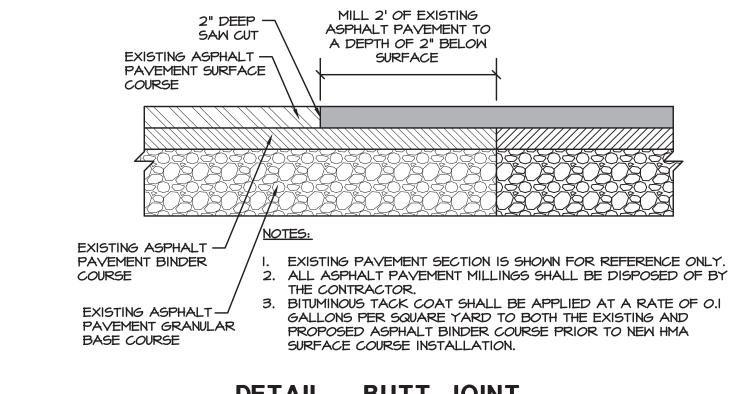
GROUP JOB NUMBER - C2400072

WT GROUP

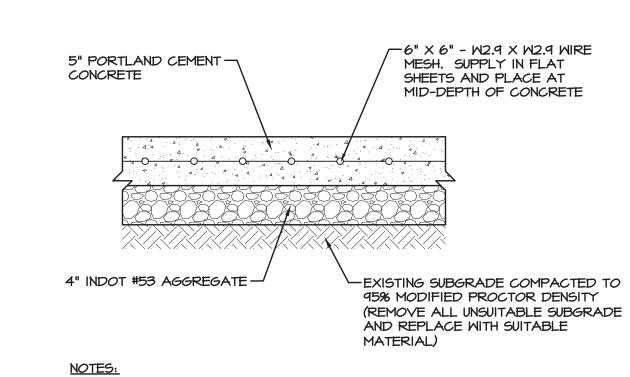
Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication | Aquatic
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Engineering with Precision, Pace & Passion.

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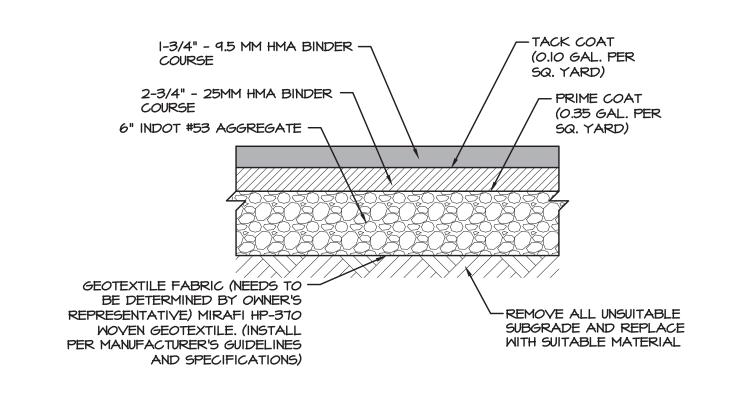


**DETAIL - BUTT JOINT** NOT TO SCALE

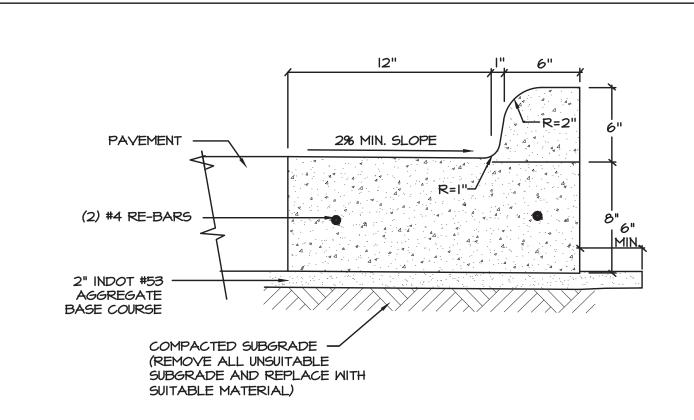


I. INSTALL THREE (3) CONTINUOUS NO. 4 STEEL REBAR PERPENDICULAR TO AND CENTERED OVER ALL UTILITY TRENCH CROSSINGS SO BARS EXTEND A MINIMUM OF FIVE (5) FEET BEYOND THE TRENCH.

**DETAIL - 5" CONCRETE SIDEWALK PAVEMENT** 

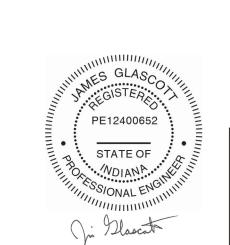


**DETAIL - ASPHALT PAVEMENT** NOT TO SCALE



DETAIL-B6-12 CURB & GUTTER

NOT TO SCALE



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WT GROUP JOB NUMBER - C2400072 Structural | Mechanical/Electrical/Plumbing
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Accessibility Consulting | Design & Program Management
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follows

#### **SITE GRADING NOTES:**

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
  - B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT
  - C. CONTRACTOR SHALL CONTACT INDIANA 811, A PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC.
  - D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS, FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
  - E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. F. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT,
  - CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN.
  - ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER. H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00%
  - IN ALL DIRECTIONS.

    J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL
  - ACCORDING TO THE GEOTECHNICAL REPORT. K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
  - TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND
  - RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS. N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM
  - THE SITE AND LEGALLY DISPOSED OF. O. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL ENGINEERING REPORT DATED II-8-2024 PREPARED BY GEOCON PROFESSIONAL SERVICES, LLC.
  - P. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL ENGINEERING REPORT DATED II-8-2024 PREPARED BY
  - GEOCON PROFESSIONAL SERVICES, LLC FOR EXISTING TOPSOIL DEPTHS. Q. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

#### **GRADING LEGEND**

EXISTING SPOT GRADE PROPOSED SPOT GRADE INTERPOLATED SPOT GRADE

PROPOSED RIM ELEVATION ---- EXISTING CONTOUR LINE PROPOSED CONTOUR LINE

OVERLAND FLOW ARROW 100 YEAR OVERLAND FLOW ROUTE TOP OF PAYEMENT ELEVATION

TOP OF SIDEWALK ELEVATION FINISHED FLOOR ELEVATION

TOP OF CURB ELEVATION FLOW LINE ELEVATION

ADJUST EXISTING RIM ELEVATION EXISTING CATCH BASIN / INLET

EXISTING BEEHIVE CATCH BASIN

EXISTING MANHOLE PROPOSED NYLOPLAST DRAIN BASIN

PROPOSED INLET

PROPOSED SQUARE NDS CATCH BASIN

## **HATCH LEGEND**

6" INDOT #53 AGGREGATE

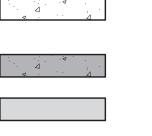
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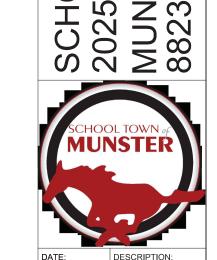
Group

STATE OF

NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" INDOT #53 AGGREGATE

POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS) NEW FULL DEPTH ASPHALT PAVEMENT I-3/4" - 9.5MM HMA SURFACE COURSE 2-3/4" - 25MM HMA BASE





PROJECT#

SITE GRADING WT GROUP JOB NUMBER - C2400072

Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion. 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

#### **SITE GRADING NOTES:**

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHICAL SURVEY LAST DATED 06-25-2025, PREPARED BY TORRENGA SURVEYING, LLC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT
- C. CONTRACTOR SHALL CONTACT INDIANA 811, A PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR
- EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN. D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE
- WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT. E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- F. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR
- G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER. H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00%.
- IN ALL DIRECTIONS.

  J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL
- ACCORDING TO THE GEOTECHNICAL REPORT. K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES. L. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL
- SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE
- GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS. N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
- O. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL ENGINEERING REPORT DATED II-8-2024 PREPARED BY GEOCON PROFESSIONAL SERVICES, LLC.
- P. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL ENGINEERING REPORT DATED II-8-2024 PREPARED BY GEOCON PROFESSIONAL SERVICES, LLC FOR EXISTING TOPSOIL DEPTHS.
- Q. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

#### **GRADING LEGEND**

EXISTING SPOT GRADE PROPOSED SPOT GRADE INTERPOLATED SPOT GRADE PROPOSED RIM ELEVATION

---- EXISTING CONTOUR LINE PROPOSED CONTOUR LINE OVERLAND FLOW ARROW

100 YEAR OVERLAND FLOW ROUTE TOP OF PAVEMENT ELEVATION

TOP OF SIDEWALK ELEVATION

FINISHED FLOOR ELEVATION TOP OF CURB ELEVATION

FLOW LINE ELEVATION ADJUST EXISTING RIM ELEVATION

EXISTING CATCH BASIN / INLET EXISTING BEEHIVE CATCH BASIN

EXISTING MANHOLE PROPOSED NYLOPLAST DRAIN BASIN

PROPOSED INLET PROPOSED SQUARE NDS CATCH BASIN

## **HATCH LEGEND**

NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" INDOT #53 AGGREGATE

POSTTENSIONED CONCRETE TENNIS COURTS (SEE ARCHITECTURAL PLANS FOR DETAILS)

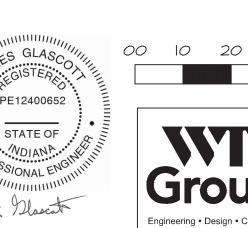
NEW FULL DEPTH ASPHALT PAVEMENT 1-3/4" - 9.5MM HMA SURFACE COURSE 2-3/4" - 25MM HMA BASE 6" INDOT #53 AGGREGATE



4632

follows







Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion.

#### **SITE UTILITY NOTES:**

- A. CONTRACTOR SHALL CONTACT INDIANASII (SII OR I-800-382-5544) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- B. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE
- OWNER AND/OR ENGINEER. C. CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL
- NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION. D. REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. F. CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF
- ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. G. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS
- H. ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.08 OF THE "STANDARD SPECIFICATIONS". TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEMALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS
- FOR ROAD AND BRIDGE CONSTRUCTION. J. ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE. K. CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM
- SEWERS WITH THE PUBLIC WORKS DEPARTMENT. CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES. M. ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED.
- N. PROVIDE RUBBER MISSION COUPLING OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMLAR SIZE OR MATERIAL. O. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2'

#### **STORM SEWER**

- EXISTING STORM STRUCTURE TO REMAIN.
- . EXISTING STORM SEWER TO REMAIN. 3. EXISTING STORM STRUCTURE TO REMAIN. CORE DRILL AND CONNECT NEW STORM
- 4. NEW 15" HDPE, 95 L.F. @ 0.26% SLOPE. 5. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE.
- 6. NEW 15" HDPE, 179 L.F. @ 0.22% SLOPE.
- 7. NEW 72" DIA. PRECAST CONCRETE CATCH BASIN WITH (2.65") RESTRICTOR.
- 8. NEW 12" HDPE, 67 L.F. @ 0.37% SLOPE. 9. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE.
- IO. NEW 12" HDPE, 123 L.F. @ 0.37% SLOPE. II. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE.
- 12. NEW 12" HDPE, 18 L.F. @ 1.11% SLOPE. 13. NEW 12" PRECAST CONCRETE FLARED END SECTION WITH TRASH GRATE.
- 14. NEW 12" HDPE, 44 L.F. @ 0.34% SLOPE. 15. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE.
- 16. NEW 12" HDPE, 99 L.F. @ 0.30% SLOPE. 17. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE. 18. NEW 12" HDPE, 10 L.F. @ 0.50% SLOPE.
- 19. NEW 12" PRECAST CONCRETE FLARED END SECTION WITH TRASH GRATE. 20. NEW 12" RCP, 36 L.F. @ 0.28% SLOPE.
- 21. NEW STORMTRAP DETENTION SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (22. NĚW 12" RČP, 155 L.F. @ 1.00% SLOPE.)
- 23. NEW 46" DIA. PRECAST CONCRETE OPEN RIM MANHOLE. 24. NEW 12" HDPE, 50 L.F. @ 1.00% SLOPE. 25. NEW 24" DIA. PRECAST CONCRETE INLET.
- 26. NEW 8" HDPE, 33 L.F. @ 1.06% SLOPE. 27. NEW CLEANOUT.
- 28. NEW 8" HDPE, 75 L.F. @ 1.00% SLOPE. 29. NEW CLEANOUT.
- 30. NEW 6" HDPE, 3 L.F. @ 3.33% SLOPE.
- 31. NEW ACO SPORT SYSTEM 4000 CATCH BASIN. 32. NEW ACO SPORT SYSTEM 4000 TRENCH DRAIN WITH 0.60% BUILT-IN SLOPE AND ADA COMPLIANT GRATE, 237 L.F. COORDINATE GRATE COLOR WITH ARCHITECT PRIOR TO
- 33. NEW 6" HDPE, 33 L.F. @ 1.06% SLOPE. 34. NEW CLEANOUT.
- 35. NEW 8" HDPE, 14 L.F. @ 1.07% SLOPE. 36. NEW CLEANOUT.
- 37. NEW 6" HDPE, 3 L.F. @ 3.33% SLOPE. 38. NEW ACO SPORT SYSTEM 4000 CATCH BASIN.

#### MISCELLANEOUS NOTES

EXISTING AREA LIGHT TO REMAIN.

2. NEW PAD MOUNTED TRANSFORMER. (SEE SITE ELECTRICAL PLANS FOR DETAILS). 3. NEW SPORTS LIGHTING. (SEE SITE ELECTRICAL PLANS FOR DETAILS).

### **UTILITY LEGEND**

	- )	EXISTING STORM SEWER
—»—	-D	PROPOSED STORM SEWER
>	· >	EXISTING SANITARY SEWER
WM WM -	WM	EXISTING WATER MAIN
—— GAS ——— GAS	—— GAS ——	EXISTING GAS SERVICE
— UGE —— UGE	——— UGE ——	EXISTING UNDERGROUND ELECTRIC SERVI
— UGT —— UGT	——— UGT ——	EXISTING UNDERGROUND TELCO SERVICE
— OHL — OHL	—— ОНС —	EXISTING OVERHEAD LINES
6000	20)	PROPOSED RIM ELEVATION

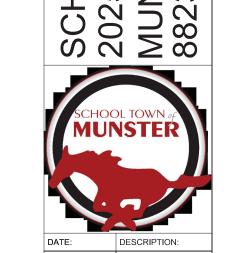


PROPOSED RIM ELEVATION PROPOSED INVERT ELEVATION EXISTING CATCH BASIN / INLET EXISTING BEEHIVE CATCH BASIN

EXISTING MANHOLE

00 10 20

STATE OF



PROJECT#

SITE UTILITY WT GROUP JOB NUMBER - C2400072 Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion.

2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

#### SITE UTILITY NOTES:

- A. CONTRACTOR SHALL CONTACT INDIANABII (BII OR I-800-382-5544) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- B. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE
  - OWNER AND/OR ENGINEER. C. CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO
  - PROCEEDING WITH CONSTRUCTION. D. REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS. E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
  - F. CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. G. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS

NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS

- COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS. H. ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.08 OF THE "STANDARD SPECIFICATIONS". TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES
- WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. J. ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO
- MEET PROPOSED FINISHED GRADE. K. CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS DEPARTMENT. . CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES.
- M. ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED. N. PROVIDE RUBBER MISSION COUPLING OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMLAR SIZE OR MATERIAL.
- O. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN.) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.

#### **STORM SEWER**

- EXISTING STORM STRUCTURE TO REMAIN.
- . EXISTING STORM SEWER TO REMAIN. 3. EXISTING STORM STRUCTURE TO REMAIN. CORE DRILL AND CONNECT NEW STORM
- 4. NEW 15" HDPE, 95 L.F. @ 0.26% SLOPE. 5. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE.
- 6. NEW 15" HDPE, 179 L.F. @ 0.22% SLOPE.
- 7. NEW 72" DIA. PRECAST CONCRETE CATCH BASIN WITH 2.65" RESTRICTOR. 8. NEW 12" HDPE, 67 L.F. @ 0.37% SLOPE.
- 9. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE. 10. NEW 12" HDPE, 123 L.F. @ 0.37% SLOPE.
- II. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE. 12. NEW 12" HDPE, 18 L.F. @ 1.11% SLOPE.
- 13. NEW 12" PRECAST CONCRETE FLARED END SECTION WITH TRASH GRATE. 14. NEW 12" HDPE, 44 L.F. @ 0.34% SLOPE.
- 15. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE. 16. NEW 12" HDPE, 99 L.F. @ 0.30% SLOPE.
- 17. NEW 48" DIA. PRECAST CONCRETE CLOSED RIM MANHOLE. 18. NEW 12" HDPE, 10 L.F. @ 0.50% SLOPE. 19. NEW 12" PRECAST CONCRETE FLARED END SECTION WITH TRASH GRATE.
- 20. NEW 12" RCP, 36 L.F. @ 0.28% SLOPE. 21. NEW STORMTRAP DETENTION SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 22. NEW 12" RCP, 155 L.F. @ 1.00% SLOPE. 23. NEW 48" DIA. PRECAST CONCRETE OPEN RIM MANHOLE.
- 24. NEW 12" HDPE, 50 L.F. @ 1.00% SLOPE. 25. NEW 24" DIA. PRECAST CONCRETE INLET. 26. NEW 8" HDPE, 33 L.F. @ 1.06% SLOPE.
- 27. NEW CLEANOUT. 28. NEW 8" HDPE, 75 L.F. @ 1.00% SLOPE.
- 29. NEW CLEANOUT. 30. NEW 6" HDPE, 3 L.F. @ 3.33% SLOPE.
- 31. NEW ACO SPORT SYSTEM 4000 CATCH BASIN. 32. NEW ACO SPORT SYSTEM 4000 TRENCH DRAIN WITH 0.60% BUILT-IN SLOPE AND ADA
- COMPLIANT GRATE, 237 L.F. COORDINATE GRATE COLOR WITH ARCHITECT PRIOR TO
- 33. NEW 8" HDPE, 33 L.F. @ 1.06% SLOPE. 34. NEW CLEANOUT.
- 35. NEW 8" HDPE, 14 L.F. @ 1.07% SLOPE. 36. NEW CLEANOUT.
- 37. NEW 6" HDPE, 3 L.F. @ 3.33% SLOPE. 38. NEW ACO SPORT SYSTEM 4000 CATCH BASIN.

### MISCELLANEOUS NOTES

EXISTING AREA LIGHT TO REMAIN.

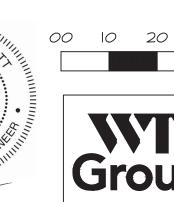
2. NEW PAD MOUNTED TRANSFORMER. (SEE SITE ELECTRICAL PLANS FOR DETAILS). 3. NEW SPORTS LIGHTING. (SEE SITE ELECTRICAL PLANS FOR DETAILS).

## **UTILITY LEGEND**

	EXISTING STORM SEMER
	PROPOSED STORM SEWER
>	EXISTING SANITARY SEMER
WM WM	EXISTING WATER MAIN
—— GAS ——— GAS ———	EXISTING GAS SERVICE
— UGE —— UGE ——	EXISTING UNDERGROUND ELECTRIC SERVICE
— UGT —— UGT —— UGT —	EXISTING UNDERGROUND TELCO SERVICE
	EXISTING OVERHEAD LINES
000.00	PROPOSED RIM ELEVATION
000.00	PROPOSED INVERT ELEVATION
	EXISTING CATCH BASIN / INLET

EXISTING MANHOLE

EXISTING BEEHIVE CATCH BASIN

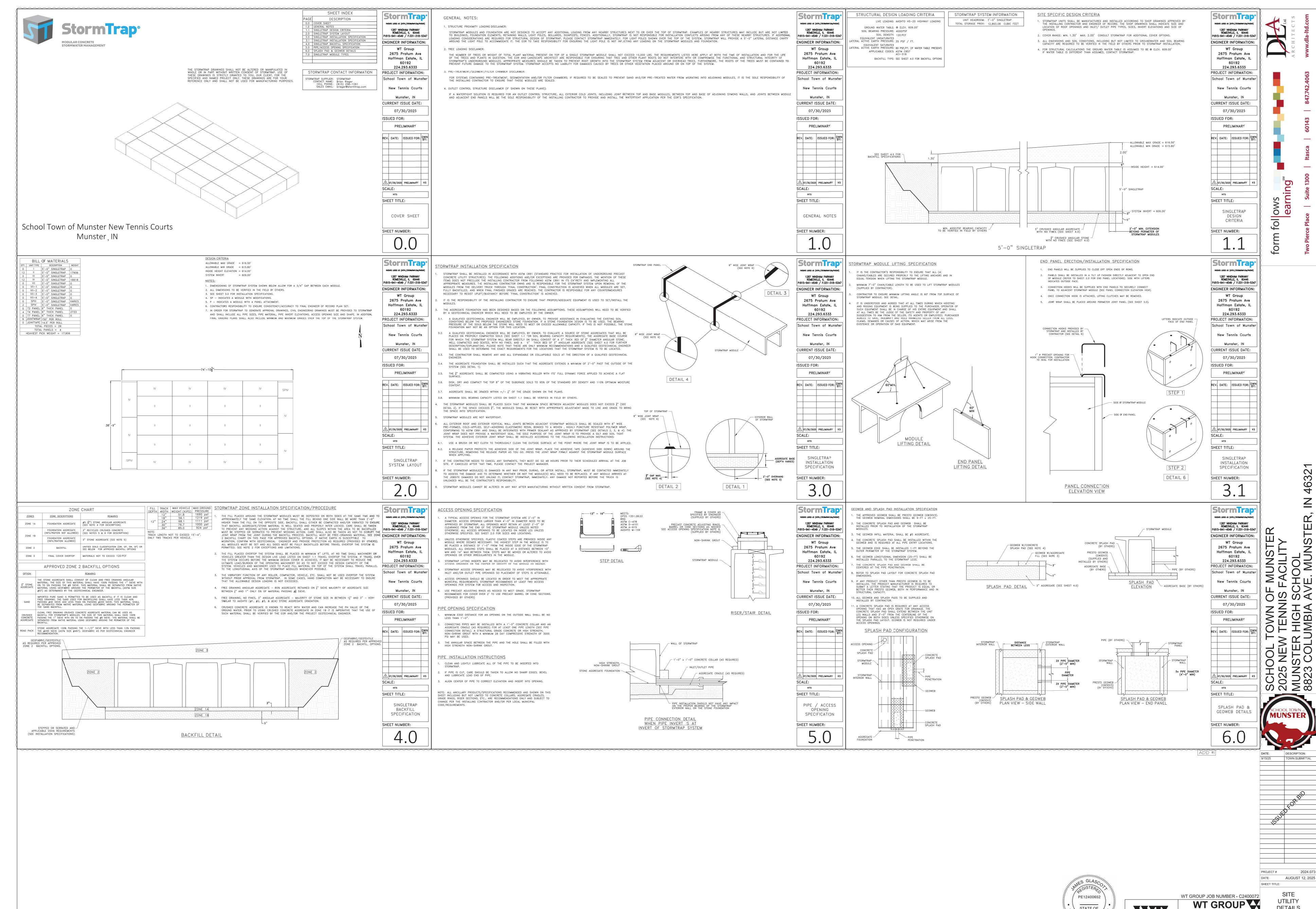


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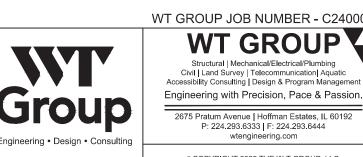
2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

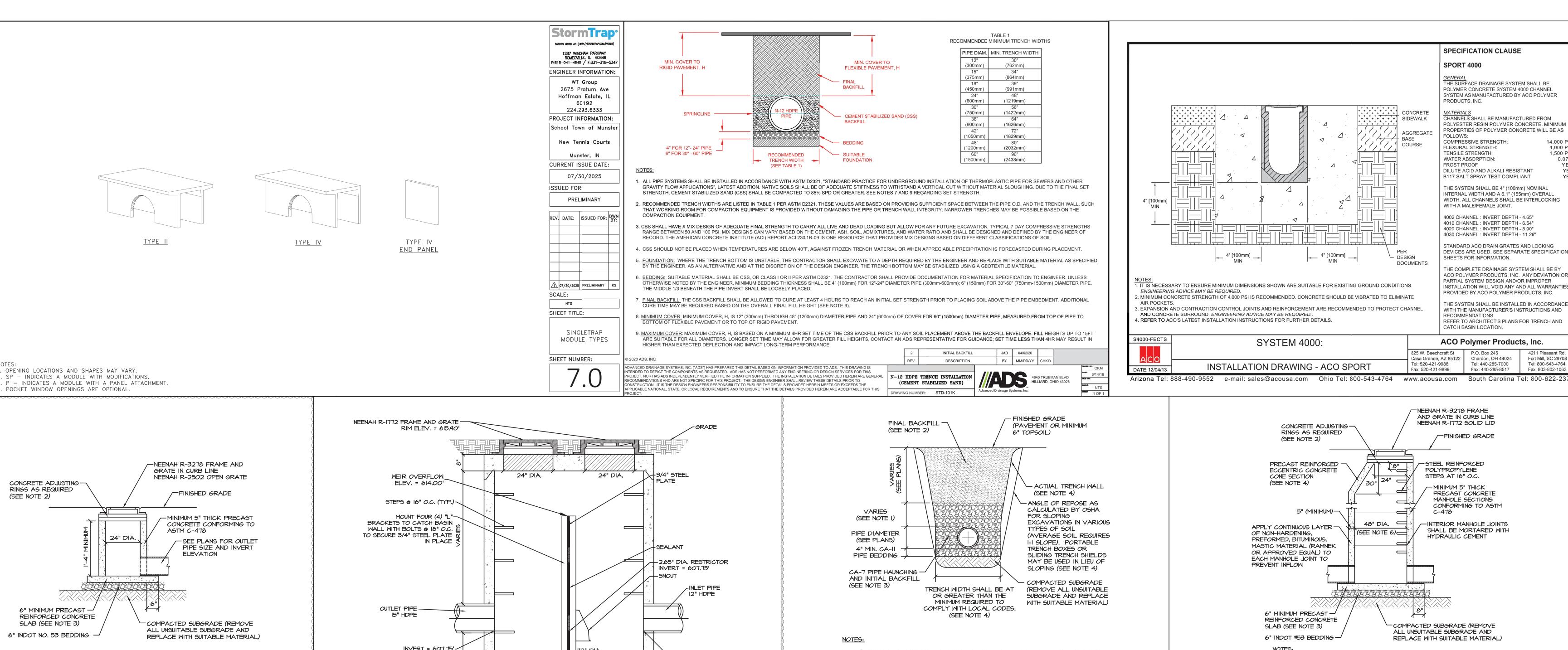


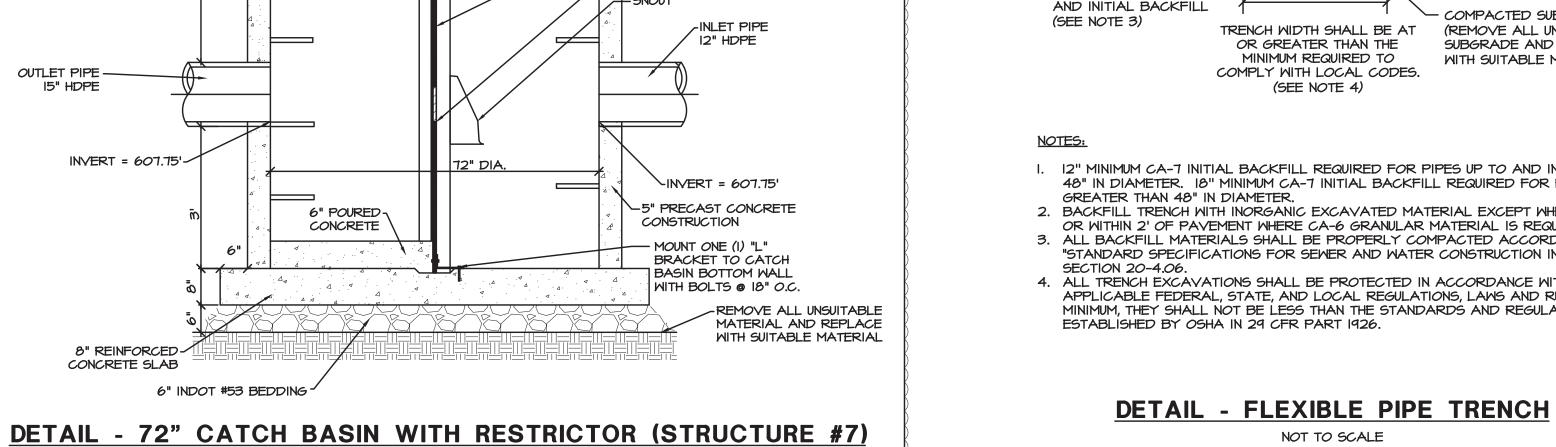
Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication | Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion.



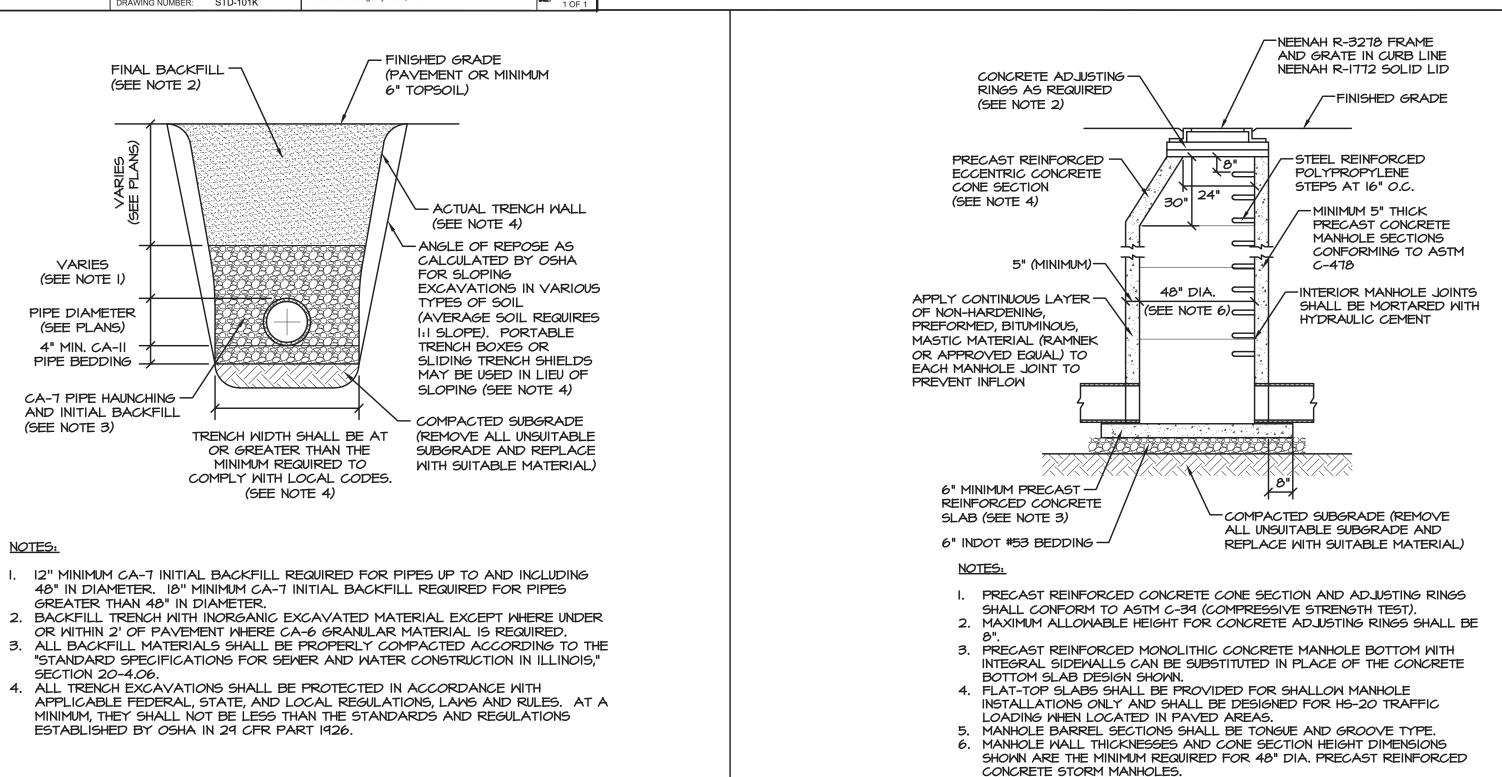








NOT TO SCALE





**SPECIFICATION CLAUSE** 

THE SURFACE DRAINAGE SYSTEM SHALL BE

POLYMER CONCRETE SYSTEM 4000 CHANNEL

SYSTEM AS MANUFACTURED BY ACO POLYMER

CHANNELS SHALL BE MANUFACTURED FROM

POLYESTER RESIN POLYMER CONCRETE. MINIMUM

PROPERTIES OF POLYMER CONCRETE WILL BE AS

1,500 PSI

**SPORT 4000** 

PRODUCTS, INC.

COMPRESSIVE STRENGTH:

WITH A MALE/FEMALE JOINT.

SHEETS FOR INFORMATION.

RECOMMENDATIONS.

CATCH BASIN LOCATION.

DILUTE ACID AND ALKALI RESISTANT

B117 SALT SPRAY TEST COMPLIANT

4002 CHANNEL: INVERT DEPTH - 4.65" 4010 CHANNEL: INVERT DEPTH - 6.54"

4020 CHANNEL: INVERT DEPTH - 8.90"

4030 CHANNEL : INVERT DEPTH - 11.26"

THE SYSTEM SHALL BE 4" (100mm) NOMINAL

INTERNAL WIDTH AND A 6.1" (155mm) OVERALL

WIDTH. ALL CHANNELS SHALL BE INTERLOCKING

STANDARD ACO DRAIN GRATES AND LOCKING

PARTIAL SYSTEM DESIGN AND/OR IMPROPER

PROVIDED BY ACO POLYMER PRODUCTS, INC.

DEVICES ARE USED, SEE SEPARATE SPECIFICATION

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR

INSTALLATION WILL VOID ANY AND ALL WARRANTIES

THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE

4211 Pleasant Ro

Fort Mill, SC 29708

Tel: 800-543-4764

Fax: 803-802-1063

WITH THE MANUFACTURER'S INSTRUCTIONS AND

REFER TO ARCHITECT'S PLANS FOR TRENCH AND

ACO Polymer Products, Inc.

Chardon, OH 44024

Tel: 440-285-7000

Fax: 440-285-8517

LEXURAL STRENGTH: TENSILE STRENGTH:

WATER ABSORPTION:

FROST PROOF

CONCRETE

SIDEWALK

─ DESIGN

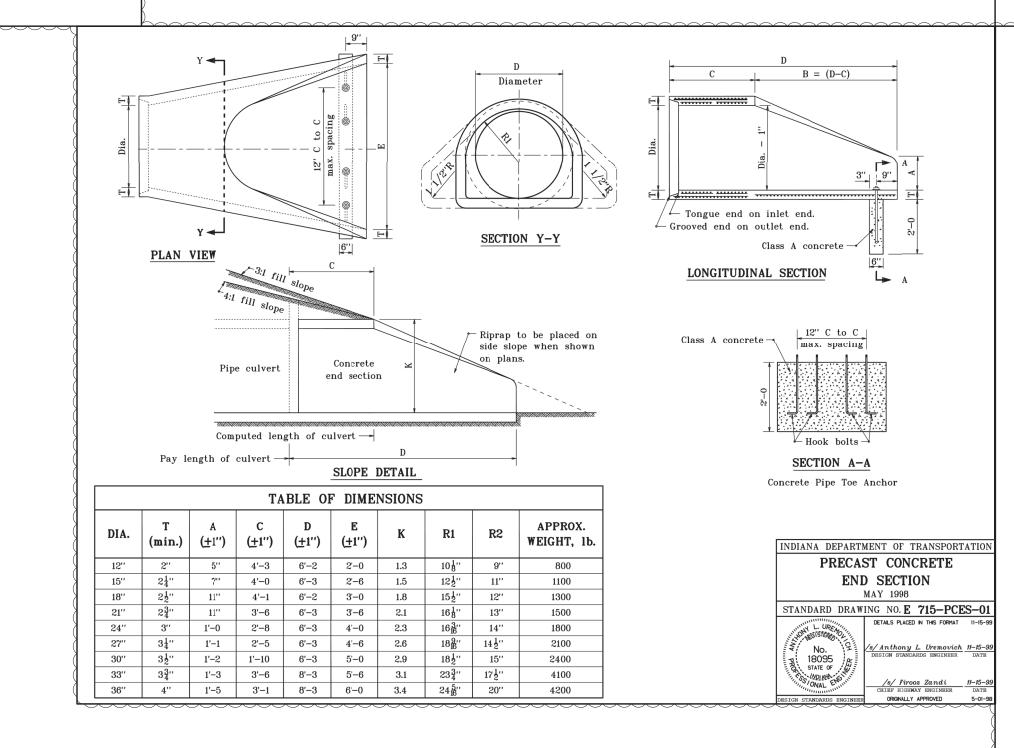
**DOCUMENTS** 

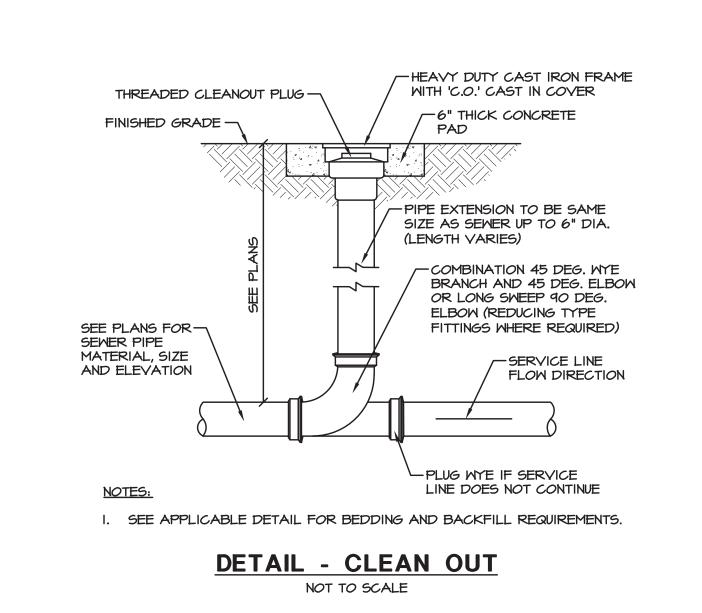
825 W. Beechcraft St

Tel: 520-421-9988

Fax: 520-421-9899

Casa Grande, AZ 85122









SHEET TITLE: UTILITY **DETAILS** 

WT GROUP JOB NUMBER - C2400072 WT GROUP 😽 Structural | Mechanical/Electrical/Plumbir Civil | Land Survey | Telecommunication | Aquatic Accessibility Consulting | Design & Program Managem Engineering with Precision, Pace & Passion 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444 © COPYRIGHT 2025 THE W-T GROUP, LL

NOTES:

I. PRECAST REINFORCED CONCRETE ADJUSTING RINGS SHALL CONFORM TO

2. MAXIMUM OF TWO CONCRETE ADJUSTING RINGS ARE ALLOWED AND THE

3. PRECAST REINFORCED MONOLITHIC CONCRETE MANHOLE BOTTOM WITH

INTEGRAL SIDEWALLS CAN BE SUBSTITUTED IN PLACE OF THE CONCRETE

4. SEE PLANS FOR INLET RIM ELEVATIONS AND PIPE INVERT ELEVATIONS AND

DETAIL - INLET

NOT TO SCALE

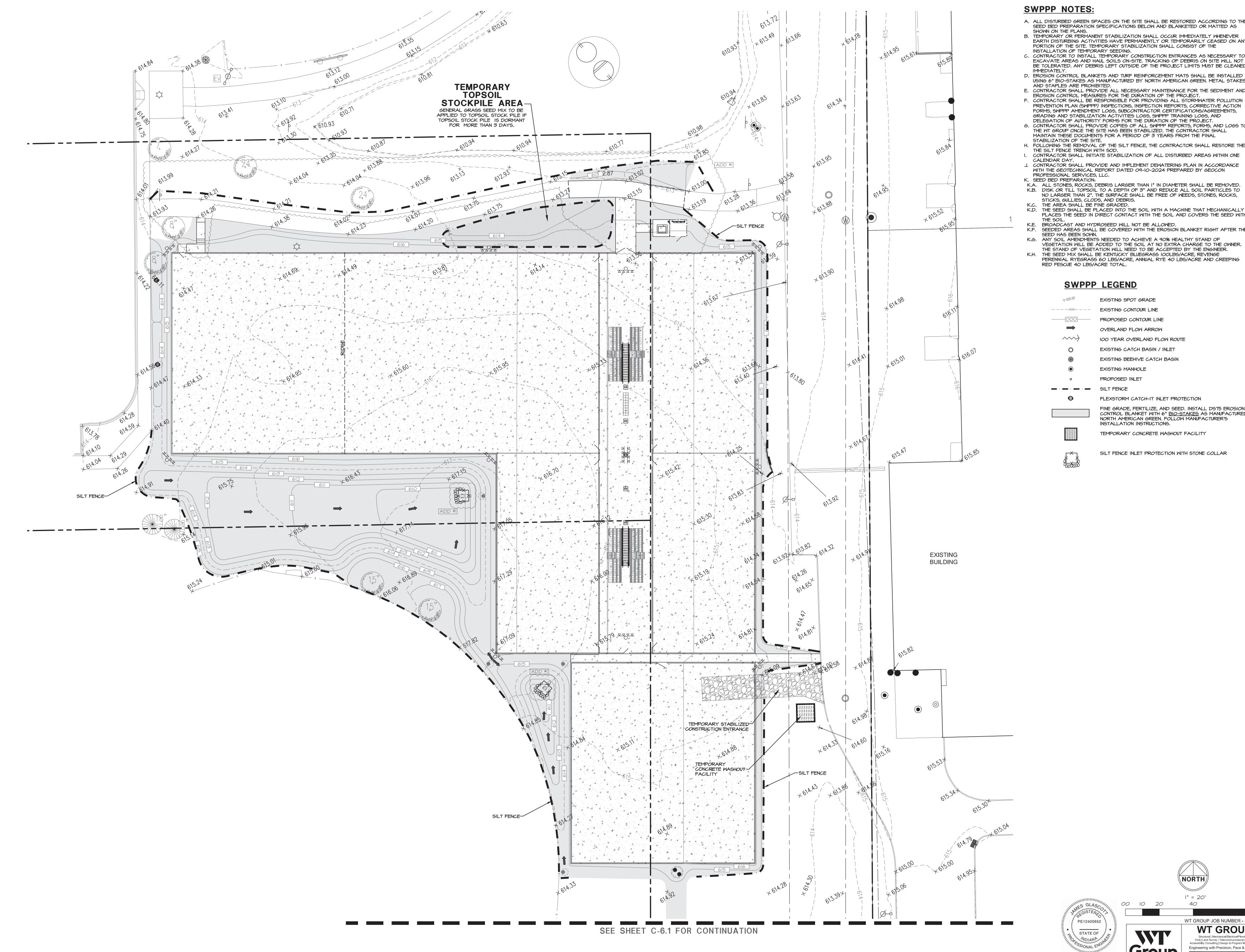
ASTM C-39 (COMPRESSIVE STRENGTH TEST).

BOTTOM SLAB DESIGN SHOWN.

TOTAL ADJUSTMENT HEIGHT SHALL NOT EXCEED 8".

TOWN SUBMITTA

PROJECT # AUGUST 12, 2025



- A. ALL DISTURBED GREEN SPACES ON THE SITE SHALL BE RESTORED ACCORDING TO THE SEED BED PREPARATION SPECIFICATIONS BELOW AND BLANKETED OR MATTED AS
- B. TEMPORARY OR PERMANENT STABILIZATION SHALL OCCUR IMMEDIATELY WHENEVER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY
- PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL CONSIST OF THE INSTALLATION OF TEMPORARY SEEDING.
- C. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCES AS NECESSARY TO EXCAVATE AREAS AND HAUL SOILS ON-SITE. TRACKING OF DEBRIS ON SITE WILL NOT BE TOLERATED. ANY DEBRIS LEFT OUTSIDE OF THE PROJECT LIMITS MUST BE CLEANED
- D. EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS SHALL BE INSTALLED USING 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. METAL STAKES AND STAPLES ARE PROHIBITED. E. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE FOR THE SEDIMENT AND EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT. F. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION
- FORMS, SWPPP AMENDMENT LOGS, SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF AUTHORITY FORMS FOR THE DURATION OF THE PROJECT. G. CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO THE WT GROUP ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL
- MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL STABILIZATION OF THE SITE. H. FOLLOWING THE REMOVAL OF THE SILT FENCE, THE CONTRACTOR SHALL RESTORE THE THE SILT FENCE TRENCH WITH SOD.
- I. CONTRACTOR SHALL INITIATE STABILIZATION OF ALL DISTURBED AREAS WITHIN ONE CALENDAR DAY. J. CONTRACTOR SHALL PROVIDE AND IMPLEMENT DEWATERING PLAN IN ACCORDANCE WITH THE GEOTECHNICAL REPORT DATED 09-10-2024 PREPARED BY GEOCON
- K.A. ALL STONES, ROCKS, DEBRIS LARGER THAN I" IN DIAMETER SHALL BE REMOVED. K.B. DISK OR TILL TOPSOIL TO A DEPTH OF 3" AND REDUCE ALL SOIL PARTICLES TO NO LARGER THAN 2". THE SURFACE SHALL BE FREE OF WEEDS, STONES, ROCKS,
- STICKS, GULLIES, CLODS, AND DEBRIS. K.C. THE AREA SHALL BE FINE GRADED. K.D. THE SEED SHALL BE PLACED INTO THE SOIL WITH A MACHINE THAT MECHANICALLY PLACES THE SEED IN DIRECT CONTACT WITH THE SOIL AND COVERS THE SEED WITH
- K.E. BROADCAST AND HYDROSEED WILL NOT BE ALLOWED.
- K.F. SEEDED AREAS SHALL BE COVERED WITH THE EROSION BLANKET RIGHT AFTER THE SEED HAS BEEN SOWN. K.G. ANY SOIL AMENDMENTS NEEDED TO ACHIEVE A 90% HEALTHY STAND OF
- VEGETATION WILL BE ADDED TO THE SOIL AT NO EXTRA CHARGE TO THE OWNER. THE STAND OF VEGETATION WILL NEED TO BE ACCEPTED BY THE ENGINEER. K.H. THE SEED MIX SHALL BE KENTUCKY BLUEGRASS IOOLBS/ACRE, REVENGE
- PERENNIAL RYEGRASS 60 LBS/ACRE, ANNUAL RYE 40 LBS/ACRE AND CREEPING RED FESCUE 40 LBS/ACRE TOTAL.

#### SWPPP LEGEND

EXISTING SPOT GRADE EXISTING CONTOUR LINE PROPOSED CONTOUR LINE

OVERLAND FLOW ARROW 100 YEAR OVERLAND FLOW ROUTE EXISTING CATCH BASIN / INLET EXISTING BEEHIVE CATCH BASIN

EXISTING MANHOLE PROPOSED INLET

FLEXSTORM CATCH-IT INLET PROTECTION

FINE GRADE, FERTILIZE, AND SEED. INSTALL DS75 EROSION CONTROL BLANKET WITH 6" <u>BIO-STAKES</u> AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

TEMPORARY CONCRETE WASHOUT FACILITY

SILT FENCE INLET PROTECTION WITH STONE COLLAR

PROJECT#

POLLUTION PREVENTION

00 10 20

STATE OF

WT GROUP
Structural | Mechanical/Electrical/Plumbing Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion. 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

SEE SHEET C-6.0 FOR CONTINUATION

#### **SWPPP NOTES:**

- A. ALL DISTURBED GREEN SPACES ON THE SITE SHALL BE RESTORED ACCORDING TO THE SEED BED PREPARATION SPECIFICATIONS BELOW AND BLANKETED OR MATTED AS
- SEED BED PREPARATION SPECIFICATIONS BELOW AND BLANKETED OR MATTED AS SHOWN ON THE PLANS.

  B. TEMPORARY OR PERMANENT STABILIZATION SHALL OCCUR IMMEDIATELY WHENEVER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY
- EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL CONSIST OF THE INSTALLATION OF TEMPORARY SEEDING.

  C. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCES AS NECESSARY TO
  - EXCAVATE AREAS AND HAUL SOILS ON-SITE. TRACKING OF DEBRIS ON SITE WILL NOT BE TOLERATED. ANY DEBRIS LEFT OUTSIDE OF THE PROJECT LIMITS MUST BE CLEANED IMMEDIATELY.
  - D. EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS SHALL BE INSTALLED USING 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. METAL STAKES AND STAPLES ARE PROHIBITED.
    E. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE FOR THE SEDIMENT AND EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS, INSPECTION REPORTS, CORRECTIVE ACTION

- FORMS, SWPPP AMENDMENT LOGS, SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF AUTHORITY FORMS FOR THE DURATION OF THE PROJECT.

  G. CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO THE WT GROUP ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL
- MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL STABILIZATION OF THE SITE.

  H. FOLLOWING THE REMOVAL OF THE SILT FENCE, THE CONTRACTOR SHALL RESTORE THE THE SILT FENCE TRENCH WITH SOD.
- CONTRACTOR SHALL INITIATE STABILIZATION OF ALL DISTURBED AREAS WITHIN ONE CALENDAR DAY.
   J. CONTRACTOR SHALL PROVIDE AND IMPLEMENT DEWATERING PLAN IN ACCORDANCE WITH THE GEOTECHNICAL REPORT DATED 09-10-2024 PREPARED BY GEOCON PROFESSIONAL SERVICES, LLC.
- K.A. ALL STONES, ROCKS, DEBRIS LARGER THAN I" IN DIAMETER SHALL BE REMOVED.

  K.B. DISK OR TILL TOPSOIL TO A DEPTH OF 3" AND REDUCE ALL SOIL PARTICLES TO NO LARGER THAN 2". THE SURFACE SHALL BE FREE OF WEEDS, STONES, ROCKS, STICKS, GULLIES, CLODS, AND DEBRIS.
- K.C. THE AREA SHALL BE FINE GRADED.

  K.D. THE SEED SHALL BE PLACED INTO THE SOIL WITH A MACHINE THAT MECHANICALLY

  PLACES THE SEED IN DIRECT CONTACT WITH THE SOIL AND COVERS THE SEED WITH
- K.E. BROADCAST AND HYDROSEED WILL NOT BE ALLOWED.

  K.F. SEED HAS BEEN SOUND.
- K.F. SEEDED AREAS SHALL BE COVERED WITH THE EROSION BLANKET RIGHT AFTER TH SEED HAS BEEN SOWN. K.G. ANY SOIL AMENDMENTS NEEDED TO ACHIEVE A 90% HEALTHY STAND OF

VEGETATION WILL BE ADDED TO THE SOIL AT NO EXTRA CHARGE TO THE OWNER.

THE STAND OF VEGETATION WILL NEED TO BE ACCEPTED BY THE ENGINEER.

K.H. THE SEED MIX SHALL BE KENTUCKY BLUEGRASS IOOLBS/ACRE, REVENGE
PERENNIAL RYEGRASS 60 LBS/ACRE, ANNUAL RYE 40 LBS/ACRE AND CREEPING
RED FESCUE 40 LBS/ACRE TOTAL.

#### SWPPP LEGEND

K. SEED BED PREPARATION:

+000.00	EXISTING SPOT GRADE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	OVERLAND FLOW ARROW
~~~ <del>&gt;</del>	100 YEAR OVERLAND FLOW ROUTE
	EXISTING CATCH BASIN / INLET
	EXISTING BEEHIVE CATCH BASIN
•	EXISTING MANHOLE
	PROPOSED INLET
	SILT FENCE
<b>©</b>	FLEXSTORM CATCH-IT INLET PROTECTION
	FINE GRADE, FERTILIZE, AND SEED. INSTALL DS75 EROSION CONTROL BLANKET WITH 6" <u>BIO-STAKES</u> AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.



SILT FENCE INLET PROTECTION WITH STONE COLLAR

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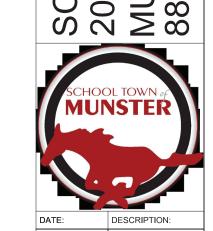
STATE OF

TEMPORARY CONCRETE WASHOUT FACILITY

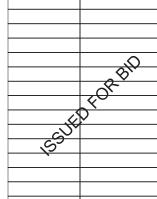
SCHOOL TOWN OF MUNSTER

2025 NEW TENNIS FACILITY

MUNSTER HIGH SCHOOL



DESCRIPTION:
1/15/25 TOWN SUBMITTAL



PROJECT # 2024.073

DATE: AUGUST 12, 2025

T GROUP JOB NUMBER - C2400072

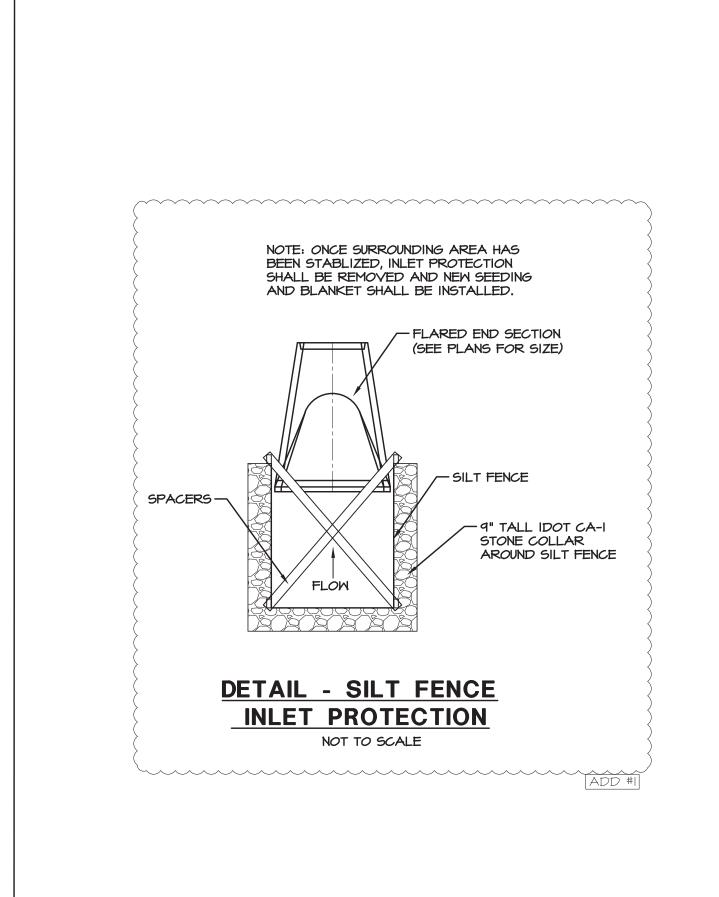
WT GROUP

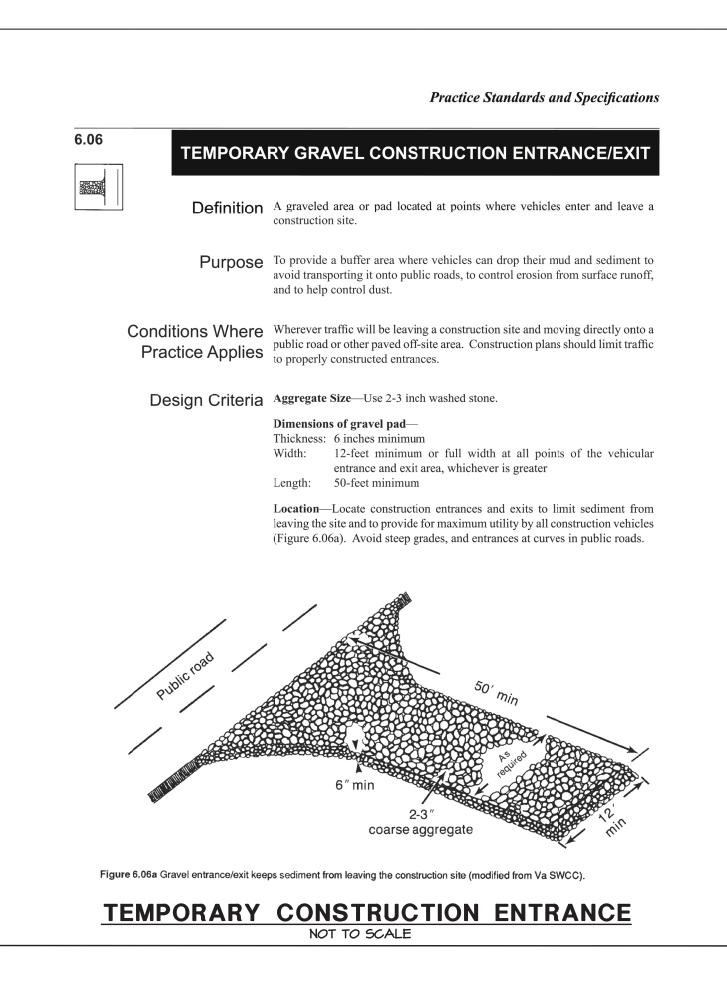
Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
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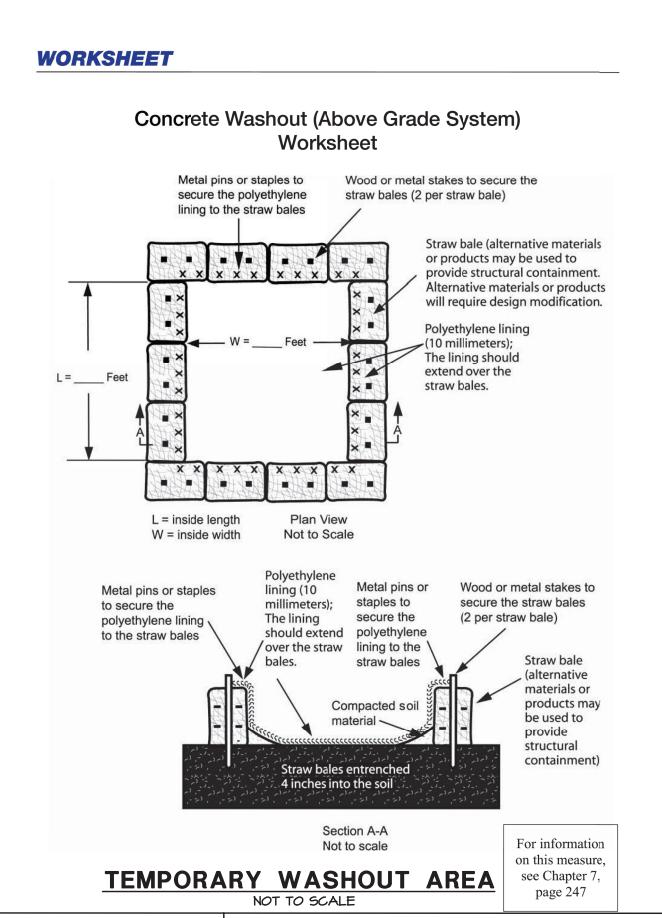
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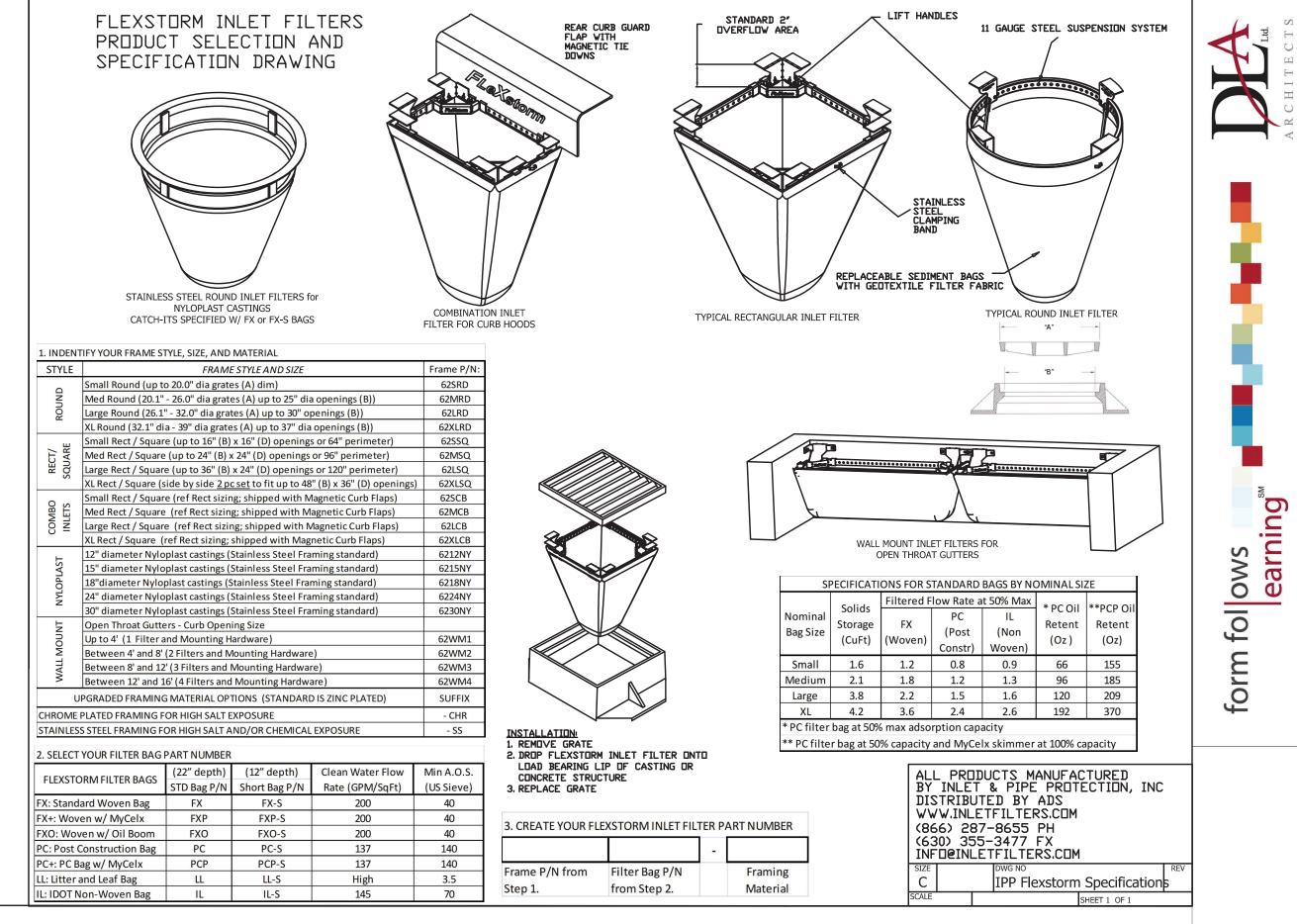
STORMWATER
POLLUTION
PREVENTION
PLAN
SHEET:

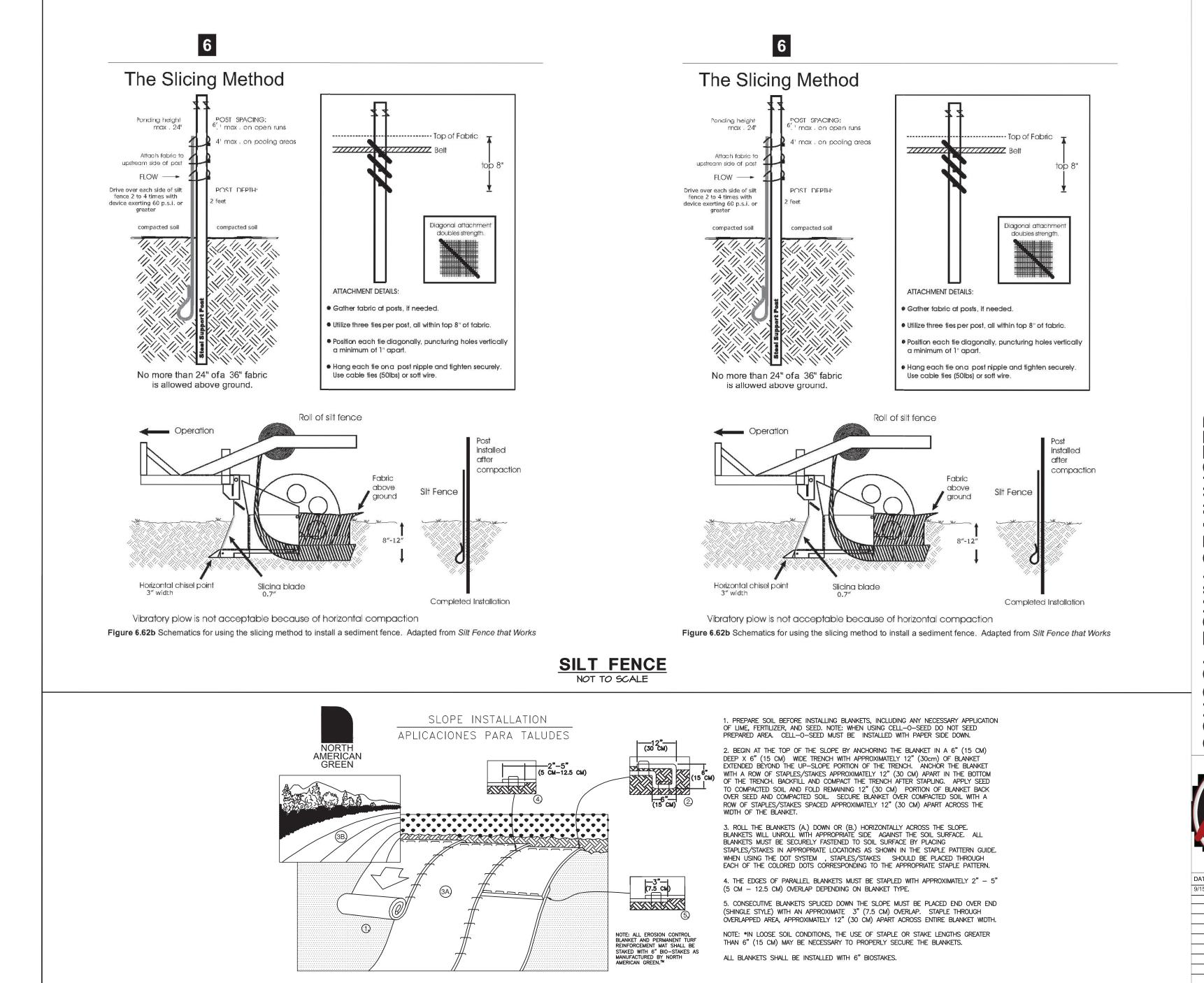
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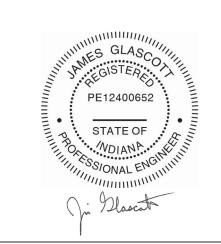


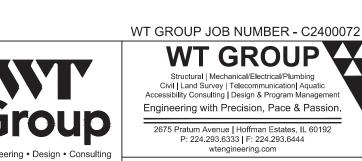












PROJECT #

DATE:

SHEET TITLE: UTILITY

TOWN SUBMITTAL

Structural | Mechanical/Electrical/Plumbing
Civil | Land Survey | Telecommunication| Aquatic
Accessibility Consulting | Design & Program Management
Engineering with Precision, Pace & Passion. 2675 Pratum Avenue | Hoffman Estates, IL 60192 P: 224.293.6333 | F: 224.293.6444

- I.I. INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS,"
- I.2. AMERICAN WATER WORKS ASSOCIATION STANDARDS.
- I.3. INDIANA STORM WATER QUALITY MANUAL CURRENT EDITION.
- I.4. BUILDING CODES AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES. 1.5. UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH
- ADMINISTRATION (OSHA) REGULATIONS, 29 CFR PART 1926, "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."
- I.6. INDIANA DRAINAGE LAW.
- I.7. AMERICANS WITH DISABILITIES ACT.
- I.B. INDIANA ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS.
- I.9. TITLE 320, 325, 325.I AND 330 OF THE INDIANA ADMINISTRATIVE CODE.
- 2. ALL REQUIRED PERMITS FROM THE APPROPRIATE GOVERNING AGENCY(S) SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING. SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE ALL NECESSARY REPAIRS AT HIS EXPENSE AND TO THE SATISFACTION OF THE GOVERNING AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNAGE AND TRAFFIC CONTROL DEVICES TO INFORM AND PROTECT THE PUBLIC.
- 3. CONTRACTOR SHALL NOTIFY THE LOCAL ENGINEERING OR PUBLIC WORKS DEPARTMENT AND/OR OTHER GOVERNING AUTHORITY(S) 48 HOURS PRIOR TO COMMENCING CONSTRUCTION ON EACH MAJOR CATEGORY OF WORK, INCLUDING BUT NOT LIMITED TO, ANY PUBLIC IMPROVEMENTS, ROADWAY CLOSURES OR UTILITY INSTALLATIONS, 72 HOUR NOTICE SHALL BE GIVEN FOR ANY WORK ITEM THAT REQUIRES INSPECTION AND TESTING SUCH AS SANITARY SEMER OR MATER MAIN INSTALLATION.
- 4. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE LOCAL MUNICIPALITY TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ORDER TO AVOID POTENTIAL CONFLICTS. CONTRACTOR SHALL CALL THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.J.L.I.E.) AT I-800-892-0123 OR BY DIALING 811. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON THE PLANS OR NOT AND TO HAVE THESE UTILITIES STAKED PRIOR TO CONSTRUCTION.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY
- 6. ALL EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS PREPARED BY THE ENGINEER ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS OR VISIBLE FIELD MARKINGS. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS, IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THE CONFLICT MAY BE RESOLVED.
- 7. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES AND REGULATIONS AND TO THE SATISFACTION OF THE APPLICABLE UTILITY OWNER(S).
- 8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES SO THE CONFLICT MAY BE RESOLVED.
- 9. ALL PROPERTY MARKERS AND REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR PROFESSIONALLY LICENSED
- 10. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THROUGH-FARES AND
- ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITIONS OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS.
- 12. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
- 13. PRIOR TO INITIAL ACCEPTANCE BY THE OWNER(S) AND/OR GOVERNING AUTHORITY, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER AND MUNICIPALITY ENGINEER OR HIS REPRESENTATIVE(S). THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF 18 (EIGHTEEN) MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD AND UNTIL FINAL ACCEPTANCE IS
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 15. CONTRACTOR SHALL KEEP THE PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS AT THE END OF EACH WORKING
- 16. ALL CONSTRUCTION STAKING, SCHEDULING AND PAYMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. THREE (3) ORIGINAL COPIES OF ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:
- 17.1. ASPHALT PAVEMENT MIX DESIGN
- 17.2. CONCRETE MIX DESIGN
- 17.3. GRANULAR MATERIAL GRADATION

EXISTING STORM WATER FACILITIES.

- 17.4. PRECAST CONCRETE STRUCTURES (MANHOLES, INLETS, CATCH BASINS, VAULTS,
- 17.5. WATER MAIN MATERIALS (VALVES, FIRE HYDRANTS, ETC.)
- 18. AFTER COMPLETION OF THE PROPOSED IMPROVEMENTS AND WHEN REQUIRED BY THE GOVERNING AUTHORITY(S), CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AS-BUILT AND/OR RECORD DRAWINGS, SIGNED AND SEALED BY A
- PROFESSIONALLY LICENSED ENGINEER OR SURVEYOR AND SHALL INCLUDE AT A MINIMUM (WHERE APPLICABLE TO THE SCOPE OF WORK) THE FOLLOWING ITEMS: 19.1 TOPOGRAPHY AND SPOT GRADE ELEVATIONS OF ALL PROPOSED PERMANENT SITE FEATURES INCLUDING ANY STORM WATER FACILITIES OR MODIFICATIONS TO
- 19.2 HORIZONTAL AND VERTICAL LOCATION AND ALIGNMENT OF ALL PROPOSED ROADWAYS, PARKING LOTS, UTILITIES, BUILDINGS OR OTHER PERMANENT SITE
- 19.3 RIM AND INVERT AND/OR TOP OF PIPE ELEVATIONS FOR ALL PROPOSED UTILITIES.

AS-BUILT LOCATIONS AND ELEVATIONS ON THE APPLICABLE PLAN SHEET.

19.4 AS-BUILT AND/OR RECORD DRAWING INFORMATION SHALL BE SHOWN ON THE APPROVED ENGINEERING PLANS ISSUED FOR CONSTRUCTION. ANY AND ALL DEVIATIONS FROM THESE APPROVED PLANS SHALL BE SHOWN BY MEANS OF STRIKING THROUGH THE PROPOSED INFORMATION AND CLEARLY INDICATING THE

#### SITE GRADING AND PAVING

- I. ALL SITE WORK, GRADING, AND PAYING OPERATIONS WITHIN THE LIMITS OF THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS," LATEST EDITION ("STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES IN THE PLANS AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
- 2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE "STANDARD SPECIFICATIONS." ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF OFF-SITE OR AS DIRECTED BY THE PROJECT REPRESENTATIVE IN THE FIELD.
- 3. EXCAYATED TOPSOIL SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE PROJECT ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING. UNLESS OTHERWISE NOTED ON THE PLANS, A MINIMUM OF 6" TOPSOIL RE-SPREAD AND SEEDING FOR ALL DISTURBED AREAS IS REQUIRED.
- 4. THE SOILS INVESTIGATION REPORT FOR THE SITE AND ALL ADDENDA THERETO ARE SUPPORTING DOCUMENTS FOR THIS PROJECT. THE RECOMMENDATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY ALL CONTRACTORS. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS. BY A SOILS ENGINEER OR HIS REPRESENTATIVE, FURTHER CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED UNTIL THE SOILS ENGINEER ISSUES A WRITTEN STATEMENT THAT THE AREA IN QUESTION HAS BEEN SATISFACTORILY PREPARED AND IS READY FOR CONSTRUCTION.
- 5. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT NOTED TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.
- 7. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.
- . REMOVED DRIVEWAY PAVEMENT, SIDEWALK, CURBS, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY OFF-SITE AT LOCATIONS DETERMINED BY THE CONTRACTOR.
- 9. ON AND OFF SITE PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- IO. PROPOSED ELEVATIONS INDICATE FINISHED GRADE CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THE THICKNESS OF THE PROPOSED PAVING (ROADS, WALKS, DRIVE, ETC.) SECTION OR TOPSOIL AS INDICATED ON THE
- CONTRACTOR SHALL PROVIDE SMOOTH VERTICAL CURVES THROUGH THE HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS ON THE PLANS. CONTRACTOR SHALL PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES AND AVOID ANY RIDGES AND/OR DEPRESSIONS.
- 12. ALL PROPOSED GRADING, PAVEMENT, APRONS, CURBS, WALKS, ETC. SHALL MATCH EXISTING GRADES FLUSH
- 13. ALL EXISTING AND PROPOSED TOP OF FRAME ELEVATIONS FOR STORM, SANITARY, WATER AND OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED GRADE WITHIN THE PROJECT LIMITS.
- 14. ALL CONCRETE POURED SHALL BE:
- 14.1. MINIMUM COMPRESSIVE STRENGTH: 14.1.1. 3,500 P.S.I. AT 14 DAYS (PER I.N.D.O.T.)
- 14.1.2. 4,500 P.S.I. AT 28 DAYS (PER A.C.I.) 14.2. MAX WATER-CEMENTITIOUS MATERIALS RATIO: 0.44 (AIR-ENTRAINED)
- 14.3. AIR CONTENT: 6%, +/- I.5% AT POINT OF DELIVERY FOR EXPOSED CONCRETE
- 15. WHEN FIBER MESH REINFORCEMENT IS SPECIFIED, IT SHALL CONSIST OF FIBRIIIATED POLYPROPYLENE FIBERS ENGINEERED AND DESIGNED FOR USE IN CONCRETE PAVEMENT, COMPLYING WITH ASTM C III6, TYPE III, 1 TO 3 INCHES LONG. FIBERS SHALL BE UNIFORMLY DISPERSED IN THE CONCRETE MIXTURE AT THE MANUFACTURER'S RECOMMENDED RATE, BUT NOT LESS THAN 1.5 LBS / CU.
- 16. THE GRADING AND CONSTRUCTION OF THE PROPOSED PAVEMENT IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE AND MATCH EXISTING GRADES FLUSH.
- 17. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
- 18. DRIVEWAYS SHALL BE CONSTRUCTED SO AS NOT TO IMPEDE THE SURFACE DRAINAGE SYSTEM.

AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

- 19. TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES ARE WITHIN STREET AREAS. APPLICABLE ORDINANCES OF THE MUNICIPALITY, COUNTY OR STATE SHALL ALSO GOVERN THE TRAFFIC CONTROL REQUIREMENTS.
- 20. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS

#### STORM SEWERS

- ALL STORM SEMER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS," LATEST EDITION ("INDOT STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES ON THE PLANS, AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
- 2. ALL STORM SEMER PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS."
- ALL PRECAST CONCRETE STRUCTURES SHALL BE REINFORCED AND DESIGNED FOR HS-20 LOADING UNLESS OTHERWISE NOTED.
- 4. ALL RCP STORM SEWER PIPE 12" IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 3I-I.08 OF THE "STANDARD SPECIFICATIONS." ALL IO" DIAMETER RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS V.
- 5. ALL HDPE STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE PER ASTM F-2306 WITH WATERTIGHT JOINTS CONFORMING TO ASTM D-3212.
- 6. ALL PVC STORM SEMER PIPE SHALL BE POLYVINYL CHLORIDE SDR 26 PIPE PER ASTM D-3034 WITH WATERTIGHT JOINTS CONFORMING TO ASTM D-3212, UNLESS OTHERWISE NOTED.
- ALL STORM SEMER TRENCH EXCAVATIONS AND PIPE FOUNDATION, BEDDING AND HAUNCHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS."
- 7.I. ALL STORM SEWERS MUST BE PLACED ON PROPERLY COMPACTED STONE BEDDING, PIPE BEDDING MATERIAL SHALL BE A MINIMUM OF FOUR (4) INCHES THICK UNDER THE BARREL OF THE PIPE AND FOR PVC PIPE, MATERIAL SHALL BE EXTENDED A MINIMUM OF 12" OVER THE TOP OF THE PIPE PER ASTM D-2321. PIPE BEDDING MATERIAL SHALL BE CRUSHED GRAVEL OR STONE MEETING INDOT GRADATION #53.
- 7.2. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY, PER ASTM D-1557, OVER ALL STORM SEMERS WHICH ARE CONSTRUCTED UNDER, OR WITHIN TWO (2) FEET OF, ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS OR SIDEWALKS.
- 8. ALL REQUIRED STORM STRUCTURE RIM ADJUSTMENTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS NOT TO EXCEED A MAXIMUM OF EIGHT (8) INCHES IN OVERALL HEIGHT. A MAXIMUM OF TWO (2) ADJUSTING RINGS ARE ALLOWED. BUTYLROPE JOINT SEALANT SHALL BE USED ON ALL JOINTS BETWEEN THE PRECAST ELEMENTS.
- 9. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE OWNER AND/OR ENGINEER UPON COMPLETION OF THE PROJECT AND ACCURATELY SHOWN ON THE RECORD DRAWINGS.

#### SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION SCHEDULE

- OBTAIN NPDES AND OTHER APPLICABLE SITE PERMITS AND REVIEW PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP THROUGHOUT THE DURATION OF CONSTRUCTION AS NECESSARY UNTIL FINAL SITE STABILIZATION IS ACHIEVED.
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- 3. INSTALL PERIMETER SEDIMENT CONTROL MEASURES (E.G. SILT FENCE).
- 4. INSTALL PROTECTION DEVICES FOR EXISTING DRAINAGE INLET AND OUTLET STRUCTURES, IF APPLICABLE.
- 5. PERFORM STORMWATER POLLUTION PREVENTION SITE INSPECTIONS ON A WEEKLY BASIS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). AT A MINIMUM, THE INSPECTIONS SHALL INCLUDE THE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, ALL STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ANY ADDITIONAL BEST MANAGEMENT PRACTICES IDENTIFIED IN
- 5.I. ALL SITE EROSION AND SEDIMENT CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUOUSLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION (SEE THE STORMWATER POLLUTION PREVENTION NOTES AND STORMWATER POLLUTION PREVENTION MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION). CONTRACTOR SHALL MAKE AND COMPLETE THE REQUIRED REPAIRS WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.
  - 5.2. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STRUCTURAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE SITE INSPECTIONS.
- 5.3. PERFORM STREET CLEANING OPERATIONS AND OTHER BEST MANAGEMENT PRACTICES AS NEEDED.

6. PERFORM SITE CLEARING AND GRUBBING AND REMOVE EXISTING VEGETATION

8. PERFORM ROUGH GRADING OPERATIONS, CONSTRUCT OVERFLOW ROUTES, AND

AS NEEDED FOR INITIAL SITE GRADING OPERATIONS. VEGETATED SITE AREAS THAT ARE NOT INCLUDED WITH THE INITIAL GRADING SHALL REMAIN UNDISTURBED. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE AND STABILIZED WITHIN THREE (3) DAYS OF FORMING THE STOCKPILE.

7. REMOVE ALL ITEMS NOTED FOR REMOVAL IN THE DEMOLITION PLAN.

STABILIZE ALL DISTURBED AREAS, INCLUDING BUT NOT LIMITED TO STEEP SLOPES, DRAINAGE CHANNELS AND SWALES (I.E. TEMPORARY AND PERMANENT SEEDING, EROSION CONTROL BLANKETS, RIP-RAP, CHECK DAMS, TEMPORARY

DRAINAGE DIVERSIONS, ETC.).

- 9. INSTALL TEMPORARY CONCRETE WASHOUT FACILITY
- IO. INSTALL BUILDING FOUNDATIONS AND BEGIN BUILDING CONSTRUCTION. II. INSTALL DETENTION SYSTEMS, STORM SEWERS AND OTHER SITE UTILITIES AND IMMEDIATELY INSTALL DRAINAGE INLET AND OUTLET PROTECTION DEVICES AS INDICATED ON THE PLANS.
- 12. PROVIDE TEMPORARY SEEDING AND/OR MULCHING FOR ALL DISTURBED SITE AREAS THAT WILL NOT BE WORKED ON FOR MORE THAN FOURTEEN (14) DAYS.
- 13. INSTALL CURBS AND BEGIN SITE PAVING OPERATIONS (I.E. DRIVEWAYS,
- SIDEWALKS, ETC.). 14. COMPLETE BUILDING CONSTRUCTION AND REMAINING SITE IMPROVEMENTS.
- 15. REMOVE TEMPORARY SITE EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY (30) DAYS OF FINAL SITE STABILIZATION.
- 16. SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT UPON COMPLETION OF ALL SITE CONSTRUCTION AND FINAL SITE STABILIZATION (I.E. OVER 70% VEGETATIVE COVER).

#### **STORMWATER POLLUTION** PREVENTION NOTES

I. COPIES OF THE APPROVED STORM WATER POLLUTION PREVENTION PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES ALONG WITH THE PERMIT, INCIDENT OF NON-COMPLIANCE (I.O.N.) FORM AND INSPECTION FORMS.

2. CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO THE WT GROUP ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL STABILIZATION OF THE SITE.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS, INSPECTION REPORTS, CORRECTIVE ACTION FORMS, SWPPP AMENDMENT LOGS, SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF AUTHORITY FORMS FOR THE DURATION OF THE PROJECT.

INDIANA QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). REQUIRED REPAIRS SHOULD BE COMPLETED WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE INDIANA EPA.

4. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DEVICES SHALL BE INSTALLED AND FUNCTIONAL BEFORE THE SITE IS OTHERWISE DISTURBED. THEY SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SITE

STABILIZATION HAS BEEN ACHIEVED. 5. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAT INDICATED ON THESE PLANS (INCLUDING BUT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW.

6. THE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE PROJECT SITE MUST BE NOTIFIED ONE (I) WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE (I) WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE (I) WEEK PRIOR TO THE FINAL INSPECTION. . THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL

EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE GOVERNING AUTHORITY. 8. IF AFTER REPEATED FAILURE ON THE PART OF THE CONTRACTOR TO PROPERLY CONTROL EROSION, POLLUTION, AND/OR SILTATION, THE GOVERNING AUTHORITIES RESERVE THE RIGHT TO EFFECT NECESSARY CORRECTIVE

MEASURES AND CHARGE ANY COSTS TO THE CONTRACTOR. 9. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE INDIANA URBAN MANUAL LATEST EDITION.

IO. INLET PROTECTION SHALL BE INSTALLED AROUND EACH INLET OR CATCH

BASIN. THESE SHALL BE MAINTAINED UNTIL THE TRIBUTARY DRAINAGE AREAS HAVE ADEQUATE GRASS COVER OR APPROPRIATE GROUND STABILIZATION. II. ALL STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND

12. CONTRACTORS SHALL MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION.

13. ALL DISTURBED AREAS SHOULD BE SEEDED OR SODDED WITHIN THREE (3) DAYS OF FINAL DISTURBANCE. 14. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR

LOOSE MATERIAL SHALL BE REMOVED. 15. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF INLET PROTECTION OR OTHER APPROVED FUNCTIONAL METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES ASSOCIATED

DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS

WITH THIS PROJECT. 16. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE

17. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE FROM THE PROPOSED CONSTRUCTION ENTRANCE. THE USE OF ANY OTHER ACCESSES IS

PROHIBITED. 18. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED OR OTHERWISE DISCHARGED FROM THE SITE INTO SEDIMENT BASINS, SILT TRAPS, DEWATERING BAGS OR POLYMER MIXING SWALE, DEWATERING DIRECTLY INTO FIELD TILES. WETLANDS, ADJACENT PROPERTIES, PUBLIC RIGHTS-OF-WAY, STREAMS, LAKES, PONDS, RIVERS, OR STORMWATER SYSTEMS IS PROHIBITED.

19. ALL STOCKPILES SHOULD BE STABILIZED WITHIN THREE (3) DAYS OF FORMING THE STOCKPILE. 20. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (1) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS

TEMPORARILY OR PERMANENTLY CEASED AS FOLLOWS: 20.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS

PRACTICABLE. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (I.E. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN I4 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY

AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASES. 21. EROSION CONTROL BLANKETS SHALL BE USED IN AREAS OF 6:1 SLOPE OR STEEPER AND AS SHOWN ON THE PLANS. 22. ALL DISTURBED GREEN SPACES WITHIN THE R.O..W. SHALL BE RESTORED WITH

6" OF TOPSOIL AND CLASS 2A SEEDING. 23. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT THE SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL

STABLIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING. 24. ONCE ALL UPSTREAM AREAS ARE STABILIZED WITH SEED AND BLANKET OR SOD AS SHOWN IN THE PLANS, SILT FENCING SHALL BE REMOVED AND THE TRENCH SHALL BE RESTORED WITH TOPSOIL, SEED, FERTILIZER AND BLANKETING, RESTORATION SHALL OCCUR IMMEDIATELY FOLLOWING THE REMOVAL OF THE SILT FENCE. RESTORATION SHALL BE COMPLETED THE SAME WORKING DAY AS ANY SILT FENCING REMOVAL AND AT LEAST 2 HOURS

BEFORE ANY FORECASTED PRECIPITATION. 25. ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED OFF BY THE CONTRACTOR.





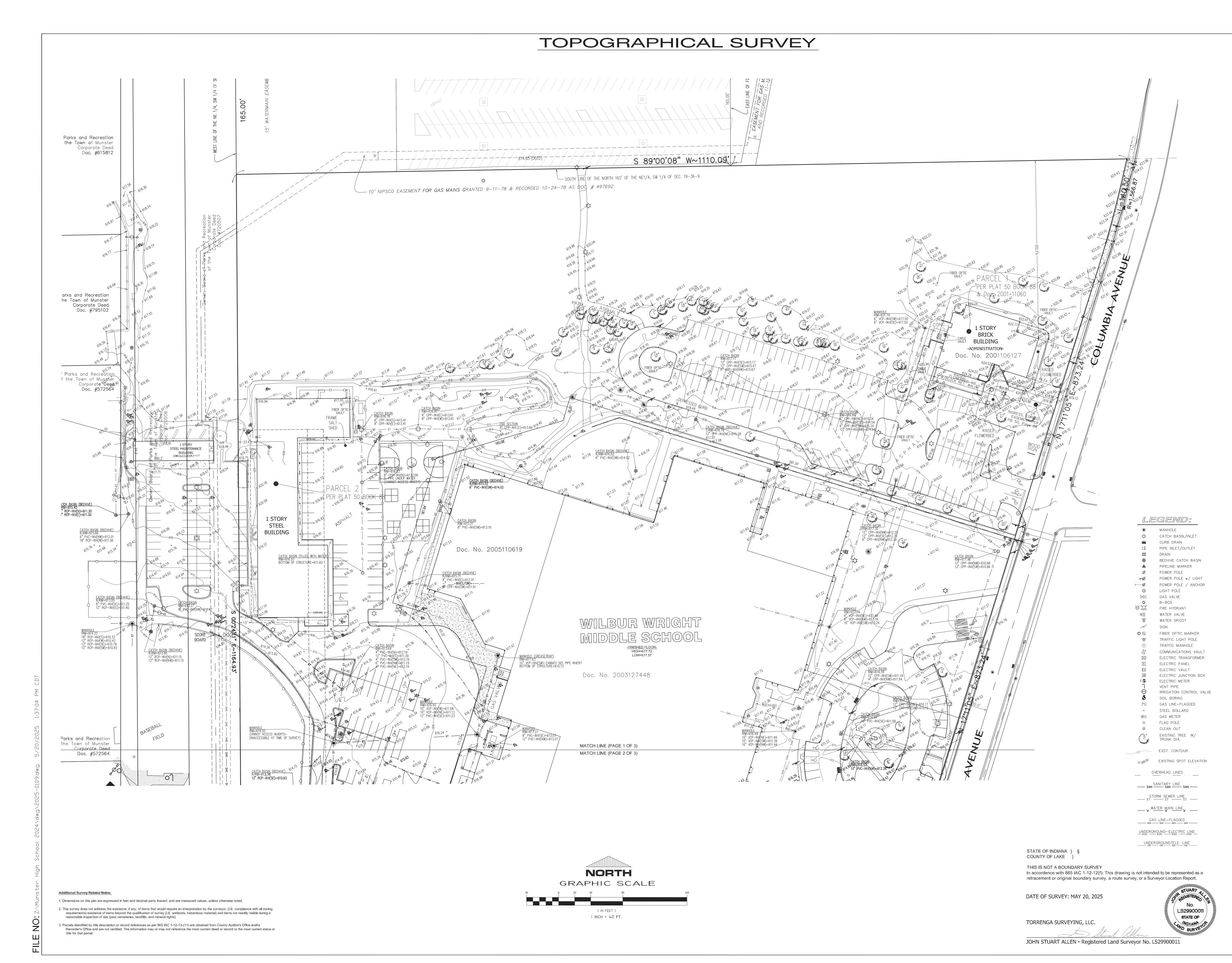


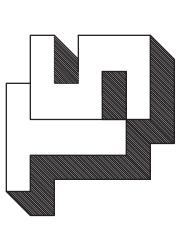
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TOWN SUBMITTA

Civil | Land Survey | Telecommunication| Aquation | Coessibility Consulting | Design & Program Manage

Engineering with Precision, Pace & Passion





-CORREDGE SOLRVEYORS
PROFESSIONAL LAND SURVEYORS
OF RIDGE ROAD MINISTER INDIANA 46321

DPOGRAPHICAL SURVEY
WILBUR WRIGHT MIDDLE SCHOOL
8520-8830 COLUMBIA AVENUE

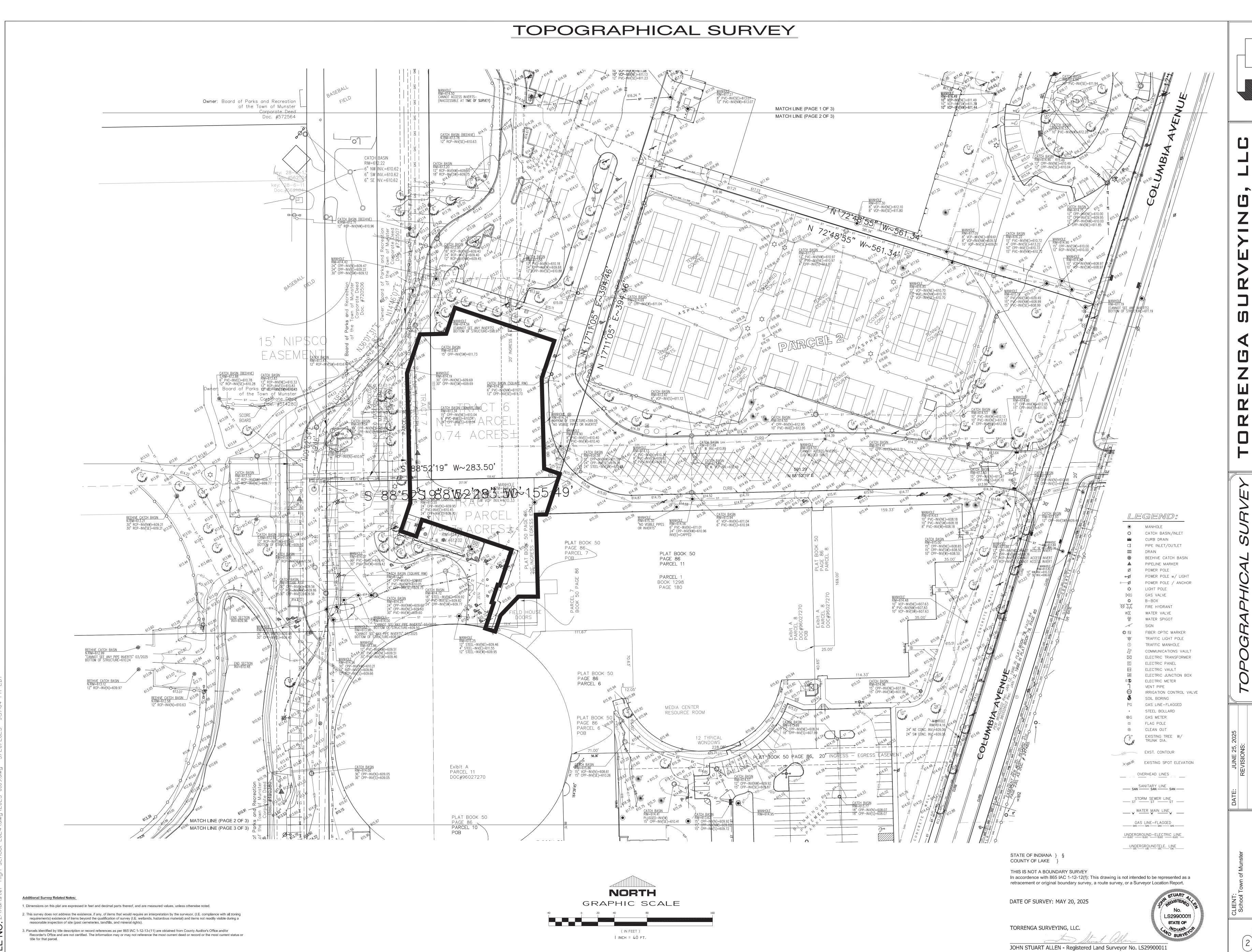
DATE: JUNE 25, 2025 REVISIONS:

School Town of Munster

JOB NO: 2025-0109

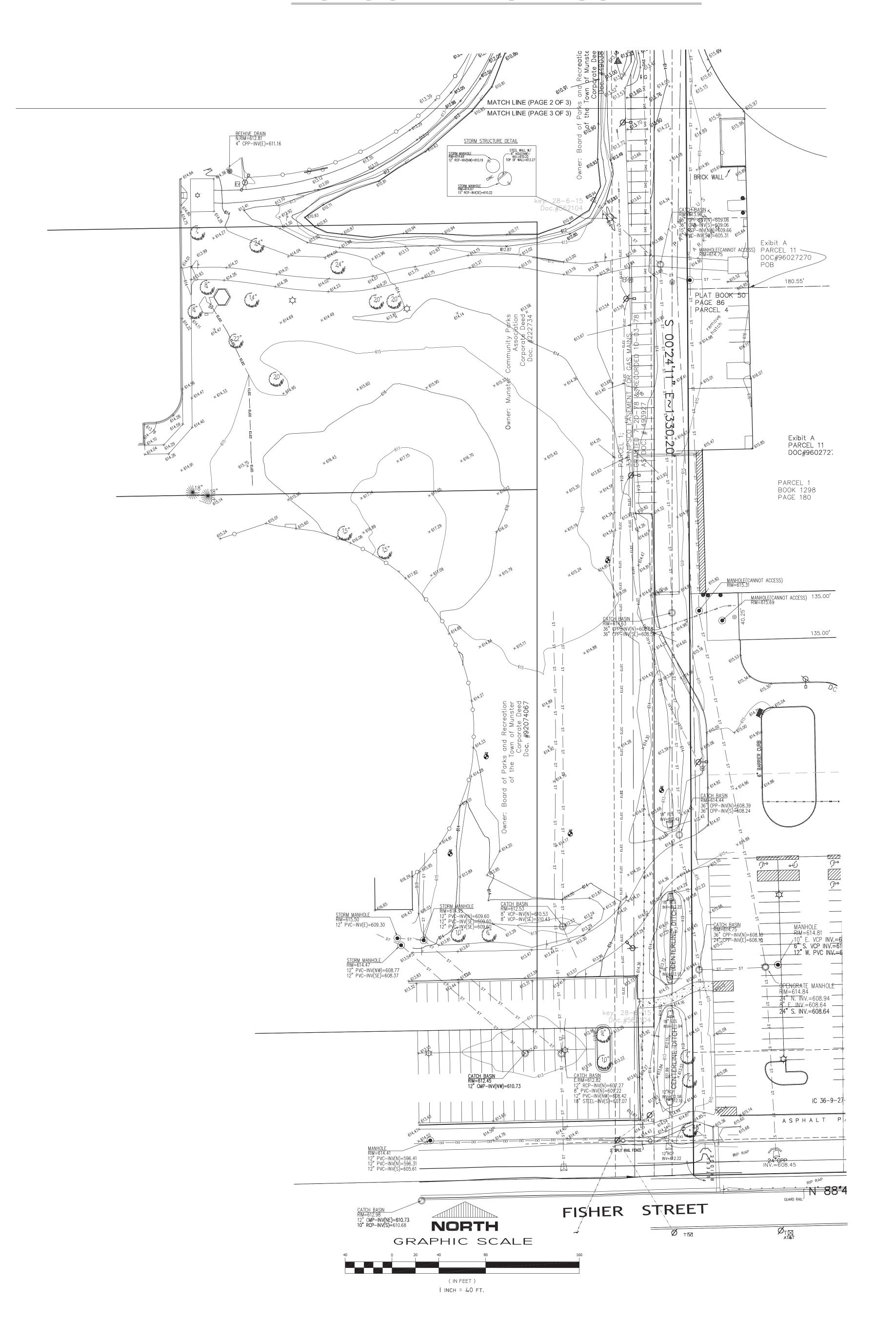
SHEET

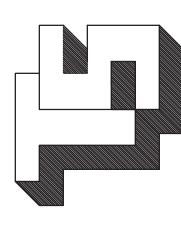
(I) OF (3)



MIDDL 30 8 WILBUR 8520

### TOPOGRAPHICAL SURVEY





MIDDLE WRIGHT -8830 Col 8520

CATCH BASIN/INLET

PIPE INLET/OUTLET

POWER POLE

GAS VALVE

FIRE HYDRANT

WATER SPIGOT

TRAFFIC LIGHT POLE TRAFFIC MANHOLE COMMUNICATIONS VAULT

ELECTRIC VAULT

ELECTRIC METER VENT PIPE

SOIL BORING GAS LINE-FLAGGED

FLAG POLE

EXISTING TREE W/ TRUNK DIA.

 $imes_{0}$ 00 Existing spot elevation

GAS LINE-FLAGGED GAS GAS GAS

UNDERGROUND-ELECTRIC LINE ELEC

UNDERGROUNDTELE. LINE SBC SBC SBC SBC

STATE OF

ELECTRIC JUNCTION BOX

IRRIGATION CONTROL VALVE

SIGN

BEEHIVE CATCH BASIN

WILBUR

TORRENGA SURVEYING, LLC.

STATE OF INDIANA } § COUNTY OF LAKE }

THIS IS NOT A BOUNDARY SURVEY

DATE OF SURVEY: MAY 20, 2025

JOHN STUART ALLEN - Registered Land Surveyor No. LS29900011

In accordence with 865 IAC 1-12-12(f): This drawing is not intended to be represented as a

retracement or original boundary survey, a route survey, or a Surveyor Location Report.

Additional Survey Related Notes:

1. Dimensions on this plat are expressed in feet and decimal parts thereof, and are measured values, unless otherwise noted. 2. This survey does not address the existence, if any, of items that would require an interpretation by the surveyor, (I.E. compliance with all zoning requirements) existence of items beyond the qualification of survey (I.E. wetlands, hazardous material) and items not readily visible during a

3. Parcels identified by title description or record references as per 865 IAC 1-12-13-(11) are obtained from County Auditor's Office and/or

reasonable inspection of site (past cemeteries, landfills, and mineral rights). Recorder's Office and are not certified. The information may or may not reference the most current deed or record or the most current status or title for that parcel.

#### GENERAL SITE PLAN NOTES

- SEE SHEET **G1** FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. CONTRACTOR TO HIRE A PRIVATE UTILITY LOCATING COMPANY TO LOCATE ALL UTILITIES ON SITE AND UTILITIES INVOLVING COORDINATION OF WORK. THE CONTRACTOR SHALL PROVIDE THE OWNER AND PROJECT ARCHITECT AT LEAST TWO (2) WORKING DAYS OF NOTICE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEE CIVIL DWGS. FOR DEMOLITION WORK, RE-GRADING, AREAS TO RECEIVE SOD, EROSION CONTROL BLANKETS, AND ADDITIONAL INFORMATION.
- TAKE SPECIAL CARE NOT TO DAMAGE OR DISTURB EXISTING UTILITY SERVICES. ALL UTILITY SERVICES DAMAGED SHALL BE PLACED BACK IN SERVICE PROMPTLY, AT NO EXPENSE TO OWNER.
- AT AREAS INDICATED AS NEW CONCRETE TO REPLACE EXISTING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY REMOVE AND APPROPRIATELY DISPOSE OF EXISTING CONC. AND/OR ASPHALT WALKS BASE AND INSTALL NEW PER DETAILS SHOWN. ALL POSTS, FENCE FABRIC, CONC. FOOTINGS, ETC. THAT ARE REMOVED SHALL BE
- DISPOSED OF AND NOT REUSED IN ANY PORTION OF THE PROJECT UNO. NEW PERIMETER FENCE AND CONC. FOOTINGS TO BE INSTALLED IN NEW LOCATIONS AS PATCH/REPAIR/PAINT ALL EXISTING DISTURBED ADJACENT/DAMAGED
- CONSTRUCTION TO A FINISHED APPEARANCE WHETHER OR NOT INDICATED ON THE PLANS. NEW MATERIALS & FINISHES SHALL BE BROUGHT TO A STOPPING POINT TO MINIMIZE DETECTION OF REPAIR, VERIFY LOCATIONS WITH ARCHITECT. CONTRACTOR RESPONSIBLE FOR ALL DAMAGE THAT OCCURS TO EXISTING CONSTRUCTION THAT IS TO REMAIN, EVEN IF NOT IN DESIGNATED WORK AREAS. CONFIRM WITH OWNER ITEMS TO BE SALVAGED. RELOCATE TO OWNER
- DESIGNATED LOCATION. AFTER CONCRETE/ASPHALT WORK HAS BEEN COMPLETED, RESTORE ALL ADJACENT DAMAGED GRASS AREAS W/ NEW SOD, UNO - SEE SPECIFICATIONS AND
- CIVIL DRAWINGS. ALL PAVEMENT MARKINGS SHOWN ON ARCHITECTURAL, OR CIVIL DRAWINGS INCLUDING, BUT NOT LIMITED TO, STRIPING ARROWS, STOP BARS, HATCHING, ADA
- SYMBOLS, ETC. ARE ASSUMED TO BE INCLUDED IN THE BID. AFTER ALL WORK HAS BEEN COMPLETED, RESTORE ALL ADJACENT DAMAGED GRASS AREAS WITH NEW PULVERIZED BLACK DIRT (6" MIN) AND APPROVED SOD
- AND ALL ADJACENT PLANTED AREAS WITH MATCHING/SIMILAR MATERIALS OF SIMILAR SIZE/AGE AS DIRECTED BY OWNER, AT NO EXPENSE TO OWNER. NEW LANDSCAPING OMITTED FOR CLARITY - SEE LANDSCAPING DRAWINGS FOR
- NEW LANDSCAPING AND ADDITIONAL INFORMATION. ASPHALT GRINDINGS SHALL NOT BE REUSED AS AN ASPHALT BASE. SEE SHEET AXX.X FOR TYPICAL EXPANSION JOINT AND CONTRACTION JOINT DETAILS, JOINTS TO BE 5'-0" O.C. MAX UNO, INCLUDING ANY WHERE NO PATTERN IS
- SPECIFICALLY SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADES, AND EXTENT OF ROUGH GRADING AND FINE GRADING, INCLUDING DE-ROCKING AND IMPORTING FRESH DIRT, AS REQUIRED. VERIFY ALL EXISTING CONDITIONS RELATED TO CONSTRUCTION COMPARED TO THE INFORMATION PROVIDED IN THE CONSTRUCTION DOCUMENTS. IF DISCREPANCIES OR CONFLICTS BETWEEN THE TWO ARE DISCOVERED, NOTIFY
- PERFORMING WORK. COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. . CONTRACTOR IS RESPONSIBLE TO LOCATE, IDENTIFY, DISCONNECT AND SEAL OR CAP OFF UTILITIES SERVING BUILDINGS AND STRUCTURE TO BE DEMOLISHED. EXISTING UTILITIES TO BE DISCONNECTED TO THE POINT OR SOURCE OR AS DETERMINED TO THE AUTHORITY HAVING JURISDICTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE SHUT DOWNS WITH ALL UTILITY COMPANIES AND TO COORDINATE WITH EXISTING CONDITIONS. UTILITY COMPANIES INCLUDE, BUT ARE NOT LIMITED TO ELECTRIC, GAS, WATER, TELEPHONE AND CABLE.

THE ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING A BID AND/OR

- THE CONTRACTOR IS TO IMPLEMENT A STORMWATER POLLUTION AND PREVENTION PLAN (SWPP) AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- FIELD VERIFY AND COORDINATE THE EXACT LOCATIONS AND EXTENT OF ALL DEMOLITION AS REQUIRED. PROPERLY DISPOSE ALL ITEMS OFF SITE THAT ARE TO BE REMOVED. VERIFY WITH OWNER IF ANY ITEMS NEED TO BE SALVAGED BEFORE DISPOSING. LEGALLY DISPOSE OF ALL MATERIALS OR RECYCLE OF THEM PER THE ILLINOIS EPA
- AND FEDERAL GOVERNMENT.

#### SITE PLAN LEGEND

NEW CONCRETE- SEE CIVIL DRAWINGS

NEW ASPHALT- SEE CIVIL DRAWINGS



APPROXIMATE AREA OF NEW LANDSCAPING- SEE LANDSCAPING



GRAVEL SCREENINGS SEE CIVIL DRAWINGS

-X-X- FENCE - SEE DRAWING 2/AS1.3 FOR TYPICAL FENCE ELEVATION





SECTION 033816, TENNIS COURT COATING TO BE APPLIED OVER PAVEMENT SEE SPEC SECTION 321824.1 (BORDER COLOR TO DIFFER FROM COURT COLOR)

#### ACCESSIBLE ROUTE GENERAL NOTES

- ALL ACCESSIBLE ROUTES SHALL COMPLY WITH APPLICABLE CODES: DEPARTMENT OF JUSTICE ADA 2010, IBC 2012.
- IF CODES CONFLICT CONTRACTOR SHALL INSTALL THE MORE STRINGENT PATHS SHALL NOT HAVE A RUNNING SLOPE GREATER THAN 1:20 OR A CROSS
- SLOPE GREATER THAN 1:50. REFER TO CIVIL DRAWINGS FOR GRADING AND ELEVATIONS. IF CIVIL GRADES CONFLICT WITH ACCESSIBLE ROUTE REQUIREMENTS NOTIFY ARCHITECT
- CONTRACTOR SHALL BE REQUIRED TO CONFIRM AS BUILT ACCESSIBLE ROUTE COMPLIES WITH REQUIREMENTS BY A CERTIFIED SURVEY, AND SHALL CORRECT AREAS THAT DO NOT COMPLY AT NO ADDITIONAL COST TO THE OWNER.

## ACCESSIBLE ROUTE LEGEND

-->--->- NEW ACCESSIBLE ROUTE

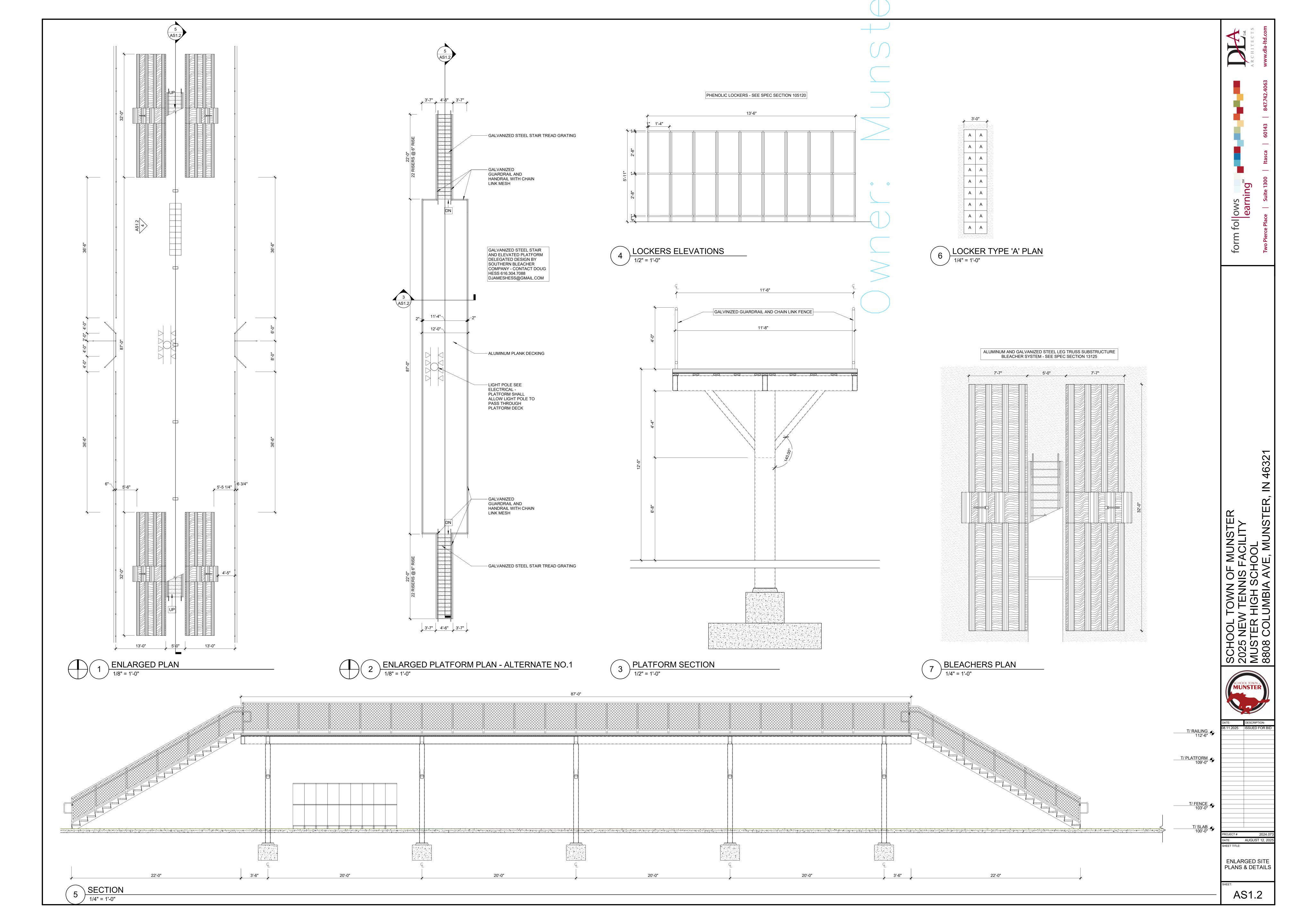
SITE PLAN KEYNOTES 3'-0" HIGH CHAIN LINK FENCE, SEE DETAIL 7/AS1.3 3'-0" HIGH CHAIN LINK GATE, SEE DETAIL 7/AS1.3

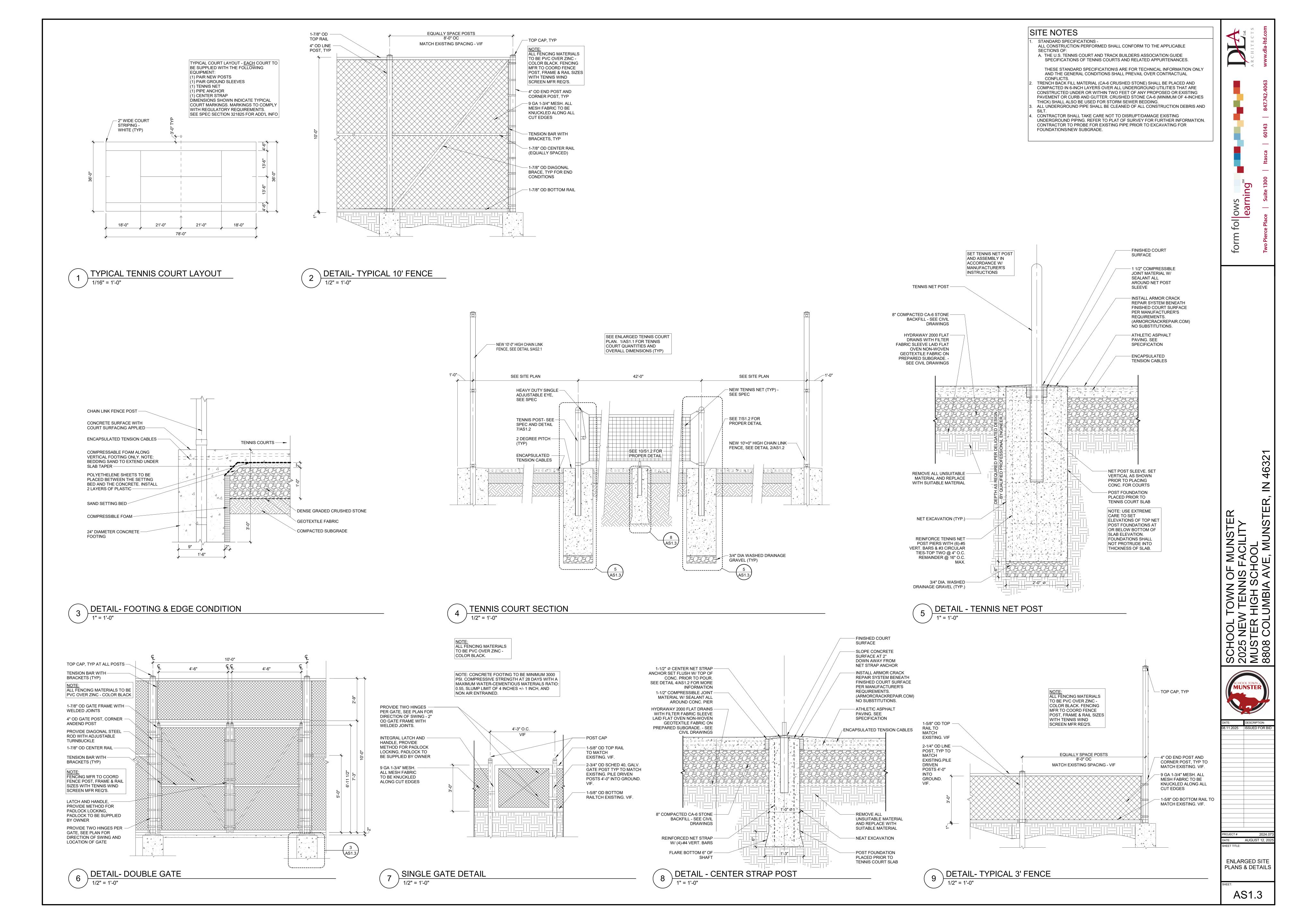
EQUIPMENT, SEE DETAIL 6/AS1.3, SIMILAR

AS3 CHAIN LINK DOUBLE GATE, SEE DETAIL 6/AS1.3 CHAIN LINK SINGLE GATE, SEE DETAIL 6/AS1.3, SIMILAR 8'-0" HIGH CHAIN LINK FENCE, 3'-0" WIDE GATE WITH PRIVACY SLATS IN FENCE FABRIC 90% OR BETTER PRIVACY FACTOR AROUND ELECTRICAL SCF 2028 MU\$ 8808

**ENLARGED SITE** 

AS1.1



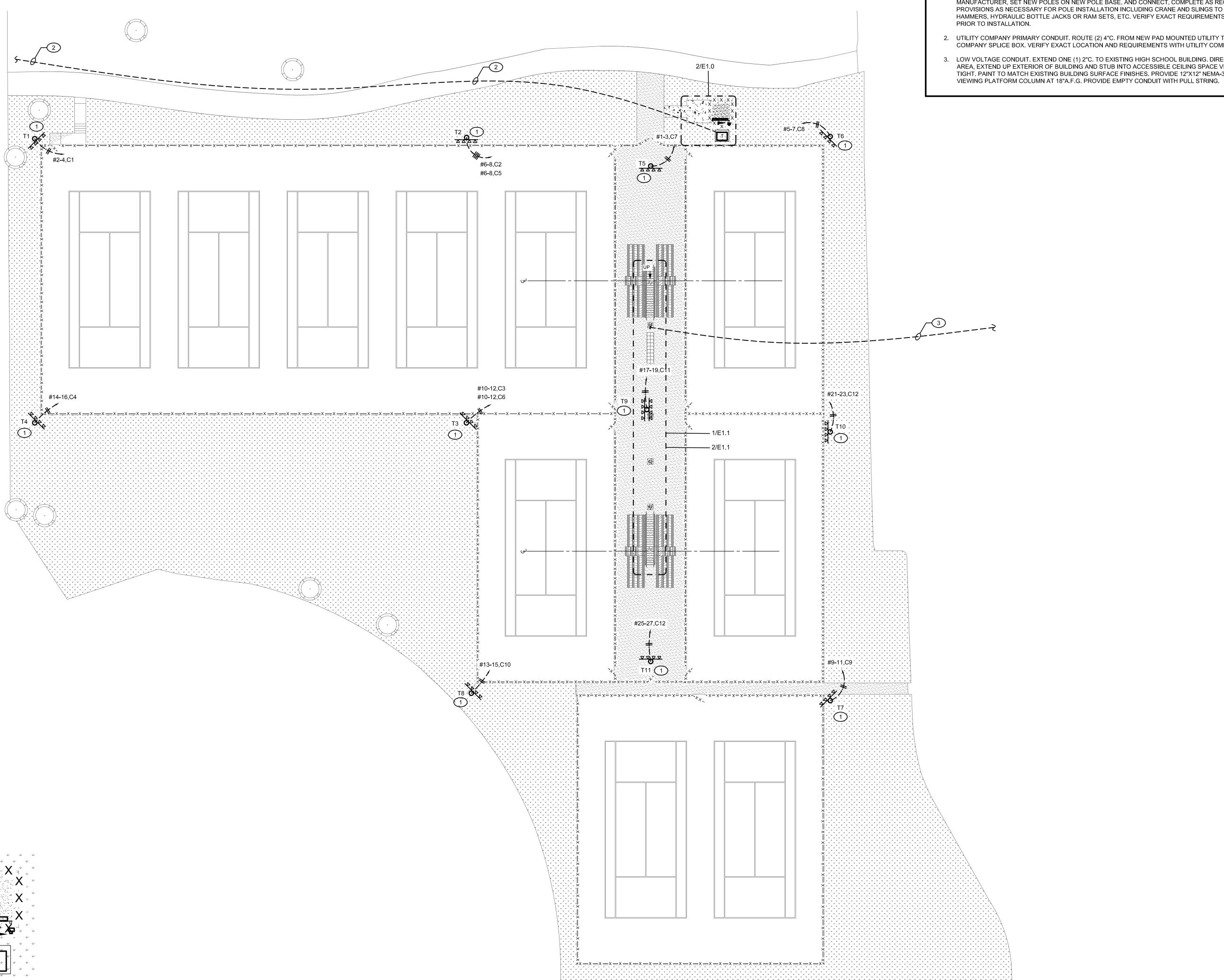


- 1. UNLESS OTHERWISE NOTED, CIRCUIT ALL LIGHTING TO PANEL PP-1 VIA LIGHTING CONTACTORS. REFER TO CONTACTOR AND CONTROL DETAIL FOR ADDITIONAL CIRCUITING INFORMATION AND REQUIREMENTS.
- 2. CAREFULLY VERIFY POLE LAYOUT AND LOCATIONS WITH LIGHTING FIXTURE MANUFACTURER PRIOR TO INSTALLATION.
- 3. COORDINATE EXACT UNDERGOUND CONDUIT ROUTING WITH NEW AND EXISTING UTILITIES ON SITE. ADJUST CONDUIT DEPTH AND ROUTING WHERE REQUIRED TO AVOID CONFLICT.

APPROXIMATE LOCATION OF NEW SPORTS FIELD LIGHTING. REFER TO PANEL SCHEDULE AND CONTACTOR AND CONTROL DETAILS FOR CIRCUITING REQUIREMENTS. CONTRACTOR SHALL INSTALL NEW PRECAST POLE BASE FURNISHED BY POLE MANUFACTURER, SET NEW POLES ON NEW POLE BASE, AND CONNECT, COMPLETE AS REQUIRED. INCLUDE ALL PROVISIONS AS NECESSARY FOR POLE INSTALLATION INCLUDING CRANE AND SLINGS TO SUPPORT POLE SECTIONS, HAMMERS, HYDRAULIC BOTTLE JACKS OR RAM SETS, ETC. VERIFY EXACT REQUIREMENTS WITH POLE MANUFACTURER

SHEET NOTES

- 2. UTILITY COMPANY PRIMARY CONDUIT. ROUTE (2) 4"C. FROM NEW PAD MOUNTED UTILITY TRANSFORMER TO UTILITY COMPANY SPLICE BOX. VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY COMPANY PRIOR TO ROUGH-IN.
- 3. LOW VOLTAGE CONDUIT. EXTEND ONE (1) 2"C. TO EXISTING HIGH SCHOOL BUILDING. DIRECTIONAL BORE ACROSS PARKING AREA, EXTEND UP EXTERIOR OF BUILDING AND STUB INTO ACCESSIBLE CEILING SPACE VIA LB FITTING AND SEAL WEATHER TIGHT. PAINT TO MATCH EXISTING BUILDING SURFACE FINISHES. PROVIDE 12"X12" NEMA-3R PULL BOX MOUNTED TO





NEW MUSCO SPORTS FILED LIGHTING CABINET #1 ——

NEW MUSCO SPORTS FILED LIGHTING CABINET #2 —

NEW UTILITY METER ON UNISTRUT FRAME -

NEW PAD MOUNTED UTILITY TRANSFORMER ———

NEW PANEL PP-1 480/277V, 3PH, 4W

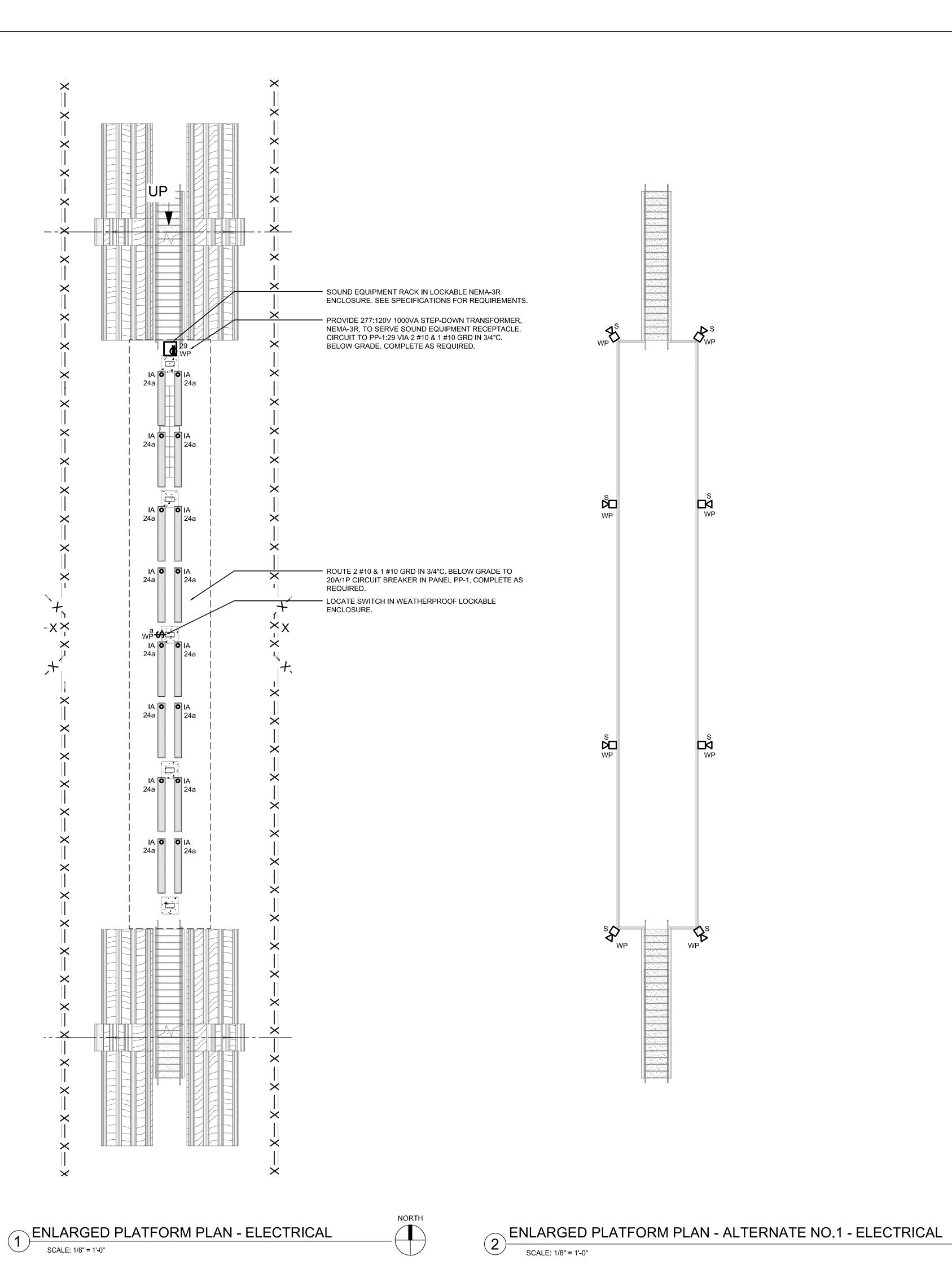


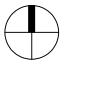






AUGUST 12, 2025 **ENLARGED SITE** PLAN -ELECTRICAL













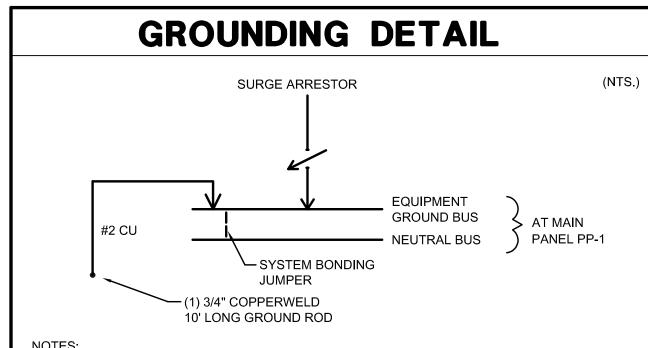


DATE: AUGUST 12, 2025
SHEET TITLE:

ENLARGED PLATFORM PLANS -

ELECTRICAL

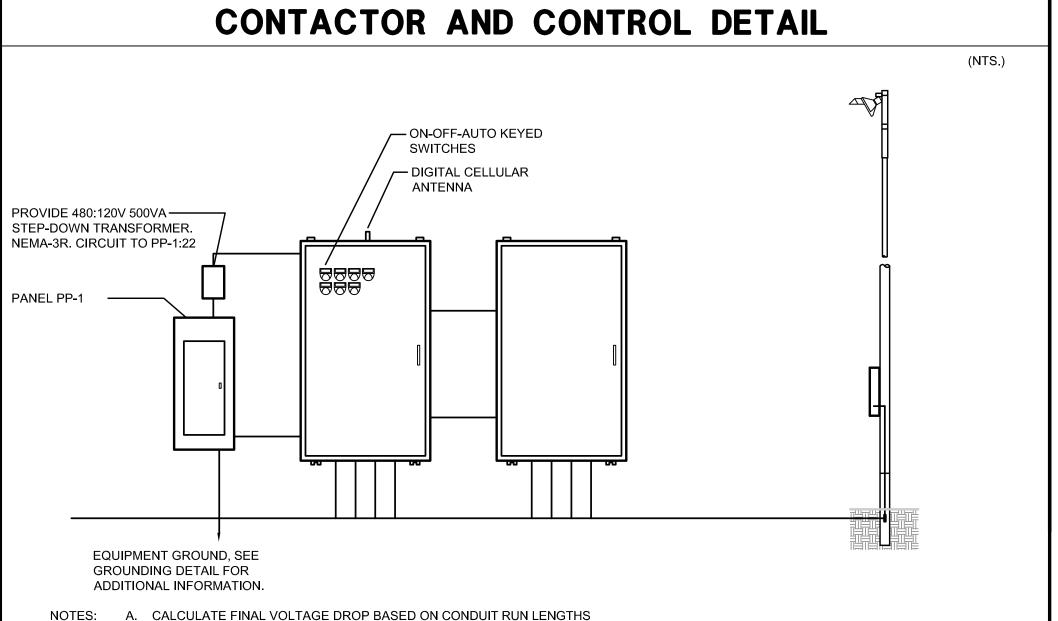
PANEL PP-1													
TOTAL KW: 28.4		ENCLO	SURE: N	IEMA-3F	₹	PHAS	SE: 3				VOLTA	GE:	277/480
MOUNTING: SURFACE		BUSSIN	IG: COP	PER		FAUL	T CU	RRENT	RATING:	1	10000	AIC	MCB(AMPS): 200
FEEDER: 4 #3/0 & 1 #6 G	RD - 2"C.		LOCATION: EQUIPMENT RACK						MENT R	ACK			
	C/B		LOAD				LOAD				C/B		
LOAD DESCRIPTION	TRIP	POLE	A~	B∼	C~	CCT.	NO.	A~	B~	C~	TRIP	POLE	LOAD DESCRIPTION
TENNIS T5	30		1055			1	2	1165			30		TENNIS T1
I		2		1055		3	4		1165			2	
TENNIS T6	30				525	5	6			1690	30		TENNIS T2
		2	525			7	8	1690				2	
TENNIS T7	30			525		9	10		2220		30		TENNIS T3
		2			525	11	12			2220		2	
TENNIS T8	30		525			13	14	1165			30		TENNIS T4
		2		525		15	16		1165			2	
TENNIS T9	30				2110	17	18				30		SPARE
		2	2110			19	20					2	
TENNIS T10	30			1055		21	22		500		20	1	LTG CONTROL VIA XFMR
		2			1055	23	24			500	20	1	PLATFORM LIGHTING
TENNIS T11	30		1055			25	26						SPACE
		2		1055		27	28						SPACE
SOUND RACK VIA XFMR	20	1			1200	29	30						SPACE
SPACE						31	32						SPACE
SPACE						33	34						SPACE
SPACE						35	36						SPACE
SPACE						37	38						SPACE
SPACE						39	40						SPACE
SPACE						41	42						SPACE
5270 4215 5415 4020 5050 4410 A= 9,290 SERVICE ENTRACE RATED EQUIPMENT B= 9,265													
NOTE: REFER TO GENERAL I		C= 9,825											
FOR ADDITIONAL INFORMATION								TOTAL=	28,380				



NOTES:

1. CONTRACTOR SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS, INCLUDING FURNISH AND INSTALL ALL CONDUCTORS AND EQUIPMENT SUCH AS GROUND RODS, SURGE ARRESTOR, GROUND BUS, ETC. TO PROPERLY GROUND/BOND ALL EQUIPMENT.

- GROUNDING ELECTRODE RESISTANCE SHALL BE 25 OHMS OR LESS. SHOULD THE MEASURED 2. RESISTANCE BE HIGHER THAN 25 OHMS, ADDITIONAL SUPPLEMENTAL ELECTRODES SHALL BE PROVIDED AS REQUIRED TO REACH A RESISTANCE TO EARTH OF 25 OHMS OR LESS.
- IN ADDITION TO THE ABOVE DEPICTED CONNECTIONS, CONTRACTOR SHALL PROVIDE ALL GROUND RODS, GROUND GRIDS, AND OTHER GROUNDING ELECTRODES AS REQUIRED BY THE 3. UTILITY COMPANY AND MAKE CONNECTIONS TO UTILITY EQUIPMENT PER UTILITY COMPANY STANDARDS.



S: A. CALCULATE FINAL VOLTAGE DROP BASED ON CONDUIT RUN LENGTHS
B. ALL CONDUIT DIAMETERS SHOULD BE PER CODE UNLESS OTHERWISE SPECIFIED TO ALLOW FOR

CONNECTOR SIZE. PROVIDE HAND HOLES AS REQUIRED FOR FINAL RACEWAY RUN LENGTHS.

C. EQUIPMENT GROUNDING CONDUCTOR AND ANY SPLICES MUST BE INSULATED.

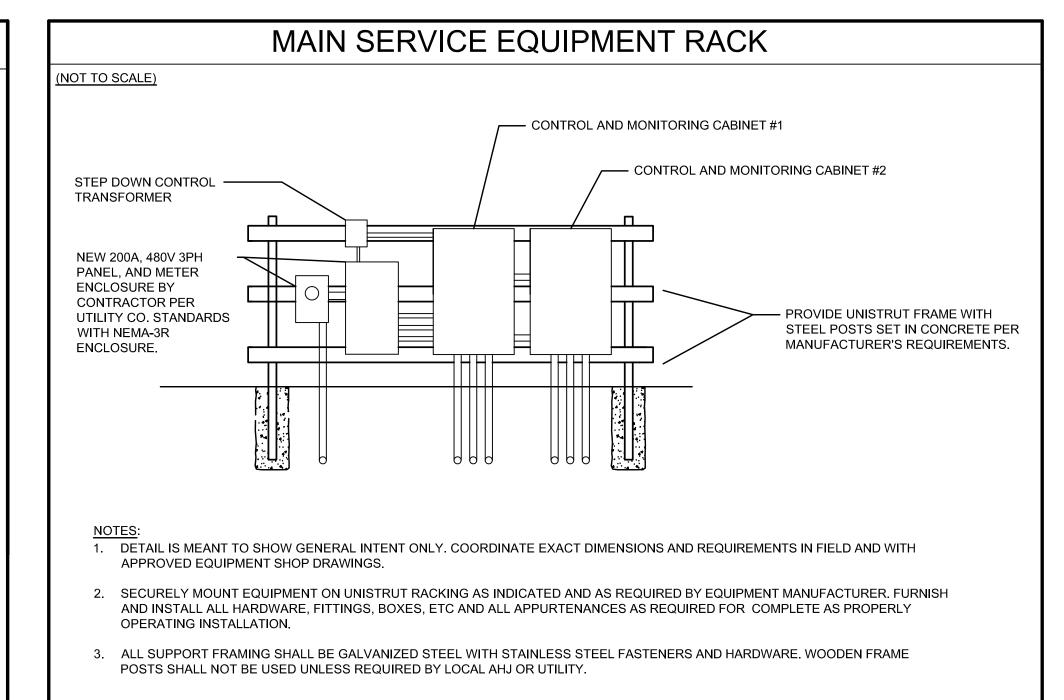
D. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MORE DETAILS ON EQUIPMENT INFORMATION AND THE INSTALLATION REQUIREMENTS.

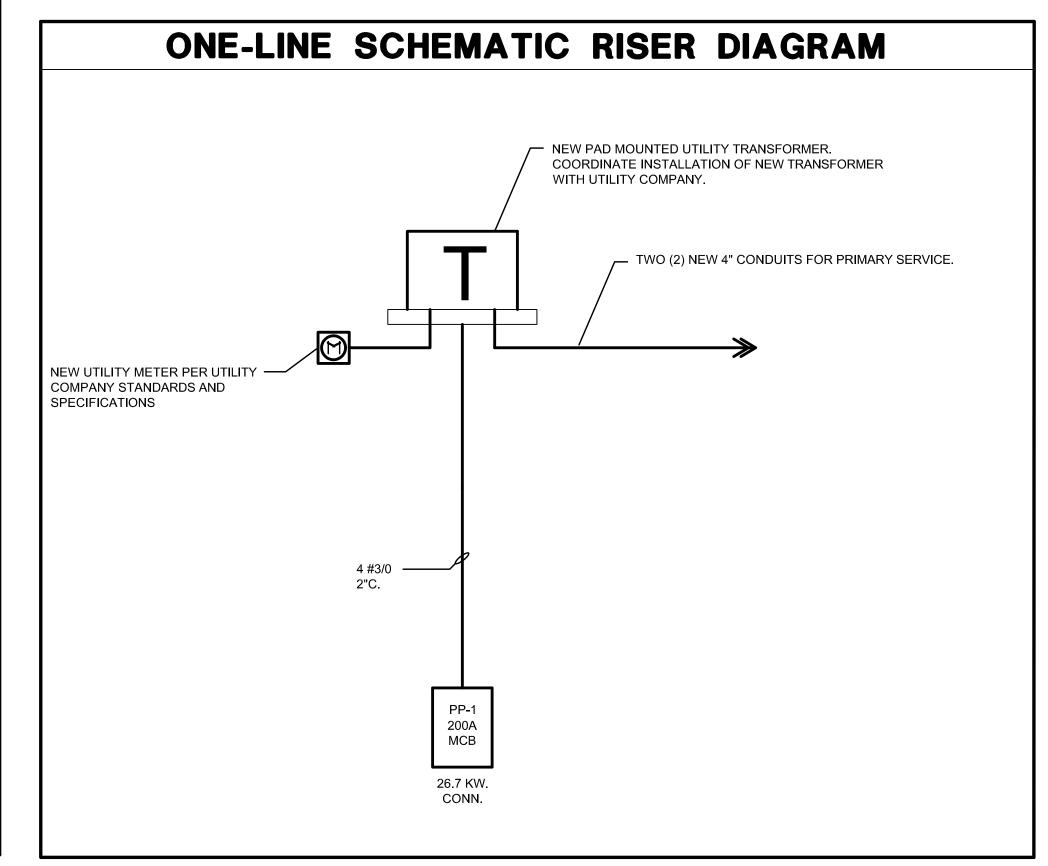
IMPORTANT: 1. CONTROL (3) AND MONITORING (5) WIRING MUST BE IN SEPARATE CONDUITS FROM LINE AND LOAD POWER WIRING (1,2).

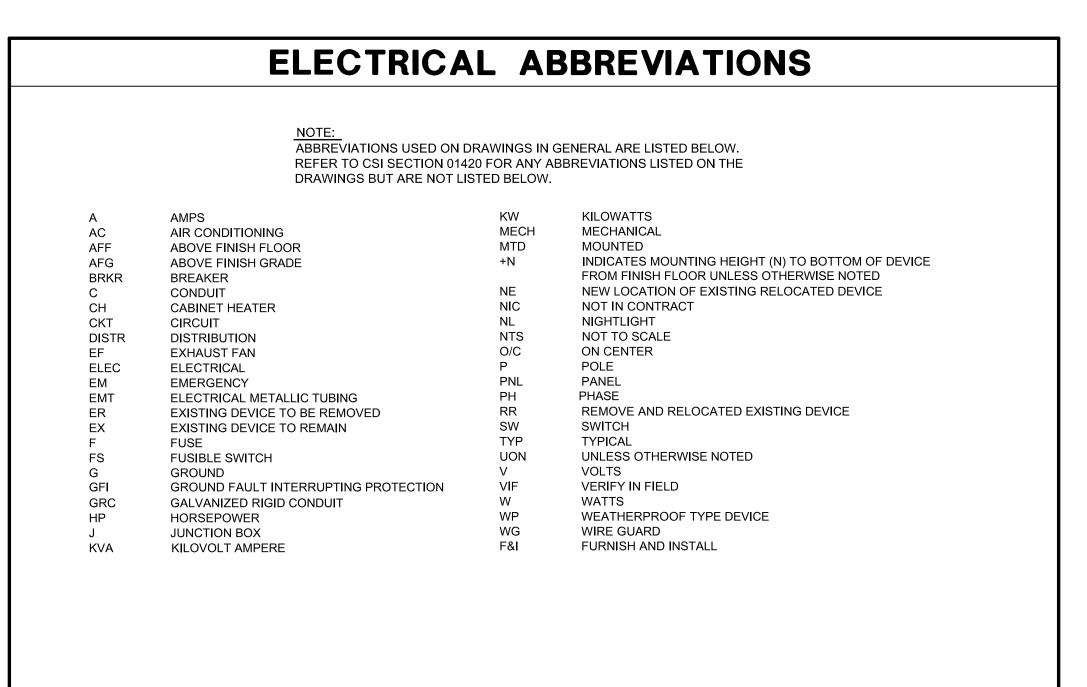
2. SIZE ALL WIRING AND CONDUIT TO PROVIDE A MAXIMUM VOLTAGE DROP OF 3% TO EACH LIGHT FIXTURE. COORDINATE LENGTH AND REQUIREMENTS IN FIELD.

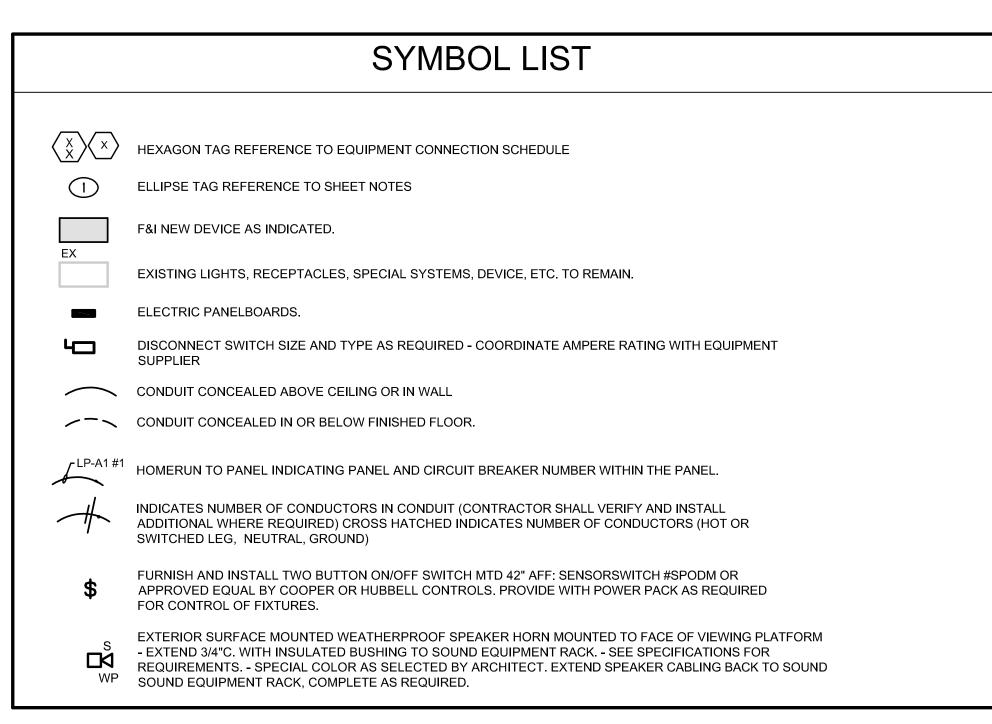
POLE	CIRCUIT DESCRIPTION	MAX NO. OF FIXTURES	FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
T1	WEST TENNIS	2	5.2	30	C1	1
T2	WEST TENNIS	2	5.2	30	C2	1
ТЗ	WEST TENNIS	2	5.2	30	С3	1
T4	WEST TENNIS	2	5.2	30	C4	1

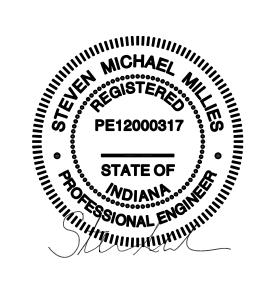
POLE	CIRCUIT DESCRIPTION	MAX NO. OF FIXTURES	FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
T2	CHAMPIONSHIP TENNIS	2	2.41	30	C5	2
Т3	CHAMPIONSHIP TENNIS	4	3.61	30	C6	2
T5	CHAMPIONSHIP TENNIS	4	3.61	30	C7	2
Т6	CHAMPIONSHIP TENNIS	2	2.41	30	C8	2
Т7	CHAMPIONSHIP TENNIS	2	2.41	30	C9	2
Т8	CHAMPIONSHIP TENNIS	2	2.41	30	C10	2
Т9	CHAMPIONSHIP TENNIS	8	7.22	30	C11	2
T10	CHAMPIONSHIP TENNIS	4	3.61	30	C12	2
T11	CHAMPIONSHIP TENNIS	4	3.61	30	C13	2













ELECTRICAL DETAILS

SHEET:

2.0

SCHOOL TOWN OF MUNSTER
2025 NEW TENNIS FACILITY
MUSTER HIGH SCHOOL
8808 COLUMBIA AVE. MUNSTER

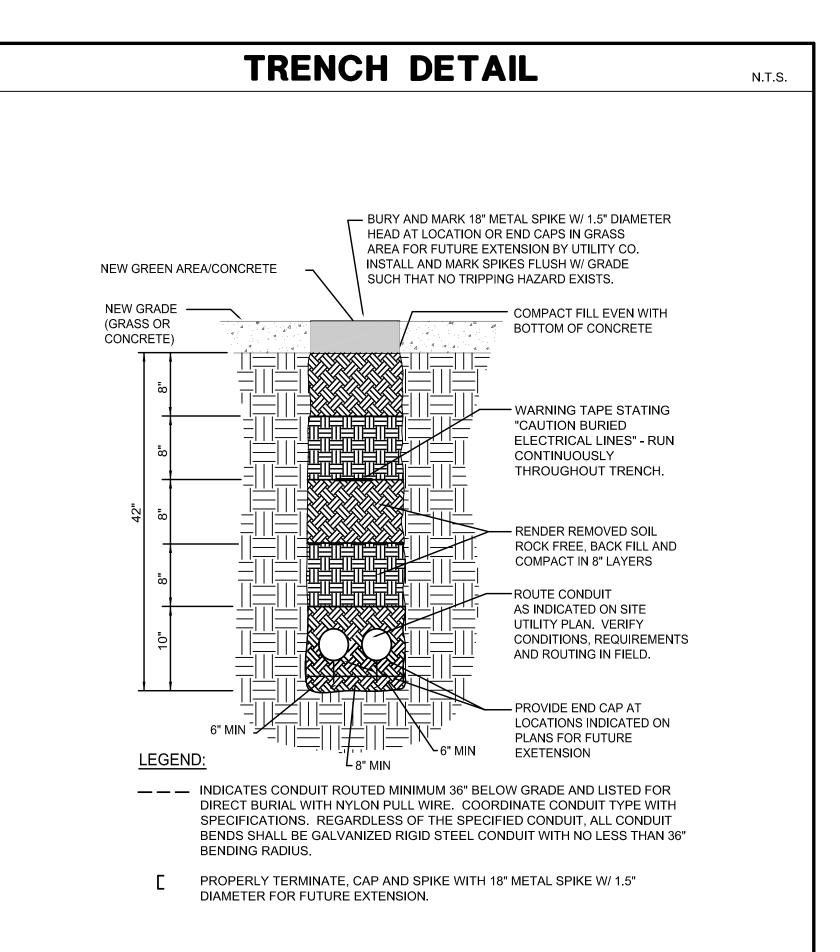
LIGHTING LUMINAIRE SCHEDULE											
TAG	TAG SYMBOL DESCRIPTION MANUFACTURER SERIES VOLTAGE/ LAMPS/CROSS MOUNTING REMARKS										
IA		8' SURFACE MOUNTED LED VANDAL RESISTANT FIXTURE	KENALL #TCD-8-A-45L40K-DCC-DV-1/7-X OR APPROVED EQUAL	MVOLT - - -	LED 4000K 7,000LM	CEILING SURFACE MOUNTED					
1. ALL	1. ALL EXTERIOR FIXTURE STANDARD FINISHES TO BE SELECTED BY ARCHITECT.										

#### LIGHTING FIXTURE GENERAL NOTES

- 1. EXTERIOR FIXTURES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
- 2. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3. COORDINATE LOCATIONS OF EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO
- 4. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
- 5. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
- 6. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
- 7. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

### **GENERAL NOTES**

- . WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES, AMERICANS WITH DISABILITIES ACT.
- THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADING ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES MUST BE BALANCED UPON COMPLETION OF THE PROJECT TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS GFCI, HACR, SHUNT TRIP UNITS, ETC.) NOR DO THE SCHEDULES IDENTIFY CIRCUIT BREAKERS REQUIRED. (SUCH AS C/B'S FEEDING SURGE PROTECTION UNITS). REFER TO THE REST OF THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.
- COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.
- EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER
- REFER TO THE PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE. IF THE WORK OF OTHER TRADES CAUSES A LOSS OF CONTINUITY OF THE EXISTING ELECTRICAL DISTRIBUTION, GROUNDING SYSTEM OR CIRCUITRY, IT SHALL BE RECONNECTED OR REPAIRED AT NO ADDITIONAL
- WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
- PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
  - COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
  - WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS.
  - IF MORE THAN THREE (3) PHASE (UNGROUNDED) CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310.
- CONDUIT, LIGHTING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. CONDUITS, ROUTED THROUGH AREAS WITH NO CEILING, SHALL BE ROUTED WITHIN THE WEBBING OF THE JOISTS AND SHALL NOT BE ROUTED BELOW THE BOTTOM CHORD OF THE JOIST.
- UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.
- FURNISH AND INSTALL A GREEN GROUND WIRE IN POWER CONDUITS (NOT LIGHTING). ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.
- REWORK EXISTING ELECTRICAL FEEDERS, CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED FOR INSTALLATION OF NEW STRUCTURAL COMPONENTS REQUIRED TO SUPPORT NEW ROOF MOUNTED EQUIPMENT. FURNISH AND INSTALL ALL CONDUIT, WIRING AND SPLICE BOXES TO
- SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED), WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS. THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310. AS SUCH, MULTIPLE BRANCH CIRCUIT HOME RUNS SHALL, AT A MINIMUM, UTILIZE #10 AWG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN. COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NEC 2008.
- CONTRACTOR SHALL OBTAIN AVAILABLE FAULT CURRENT, UTILITY TRANSFORMER SIZE AND IMPEDANCE WITHIN 14 DAYS OF CONTRACT AWARD. ELECTRICAL PANEL AND GEAR SHOP DRAWINGS SHALL BE SUBMITTED ALONG WITH COORDINATION/ARC FLASH STUDY WITH 30 DAYS OF CONTRACT AWARD FOR REVIEW. ALL GEAR SHALL BE RATED TO PROPERLY WITHSTAND AVAILABLE FAULT CURRENT.
- PRIOR TO THE START OF WORK AND THE ORDERING OF EQUIPMENT, CONTRACTOR SHALL CAREFULLY MEASURE AND VERIFY THE VOLTAGE, PHASE AND WIRING CONFIGURATION OF EXISTING PANELS AND EXISTING GEAR THAT ARE PART OF WORK AND SHALL CAREFULLY VERIFY THAT ALL ELECTRICAL CONNECTIONS, GEAR AND EQUIPMENT HAVE BEEN CAREFULLY COORDINATED TO ELIMINATE CONFLICTS. COORDINATE WITH OTHER TRADES AS REQUIRED TO ELIMINATE ELECTRICAL CONFLICTS PRIOR TO START OF WORK.
- . CAREFULLY VERIFY COLOR TEMPERATURES OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.





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ELECTRICAL **DETAILS** 

AUGUST 12, 2025