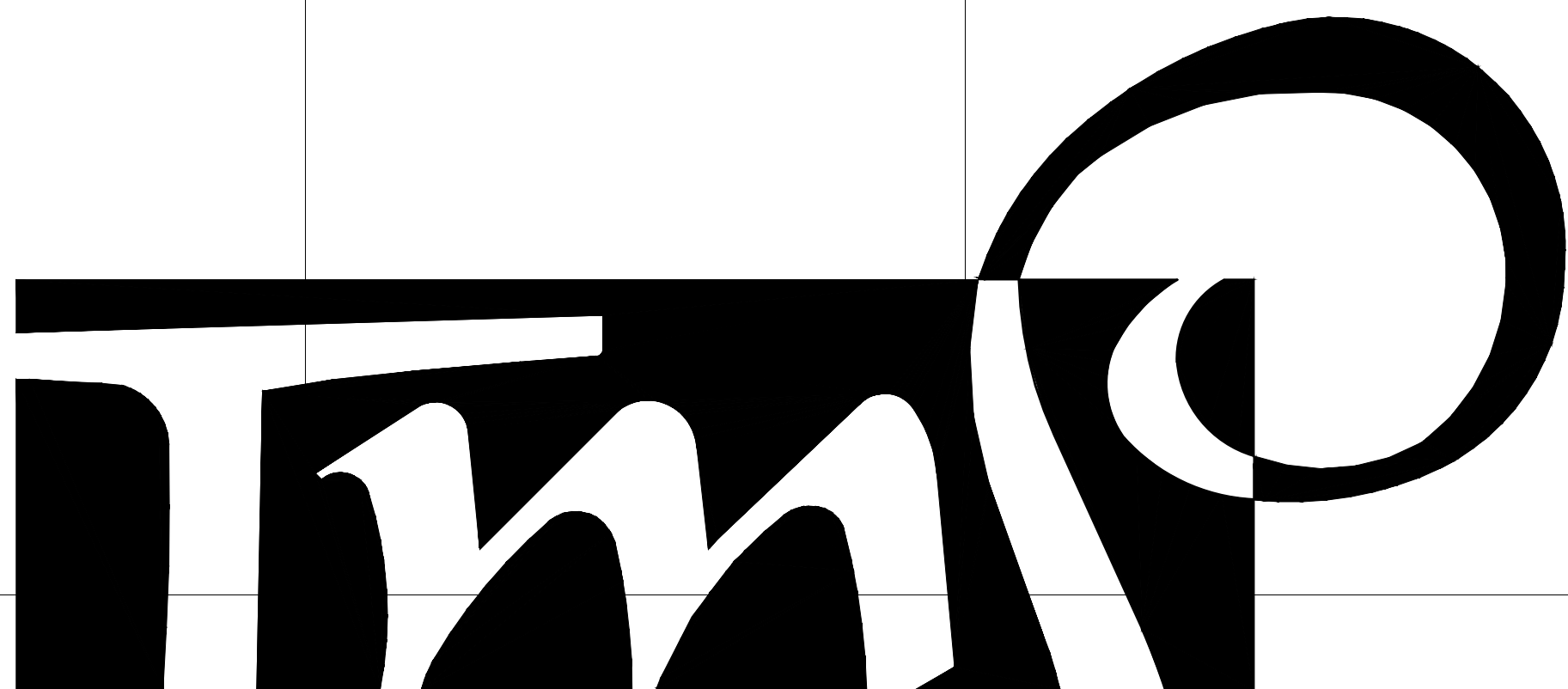


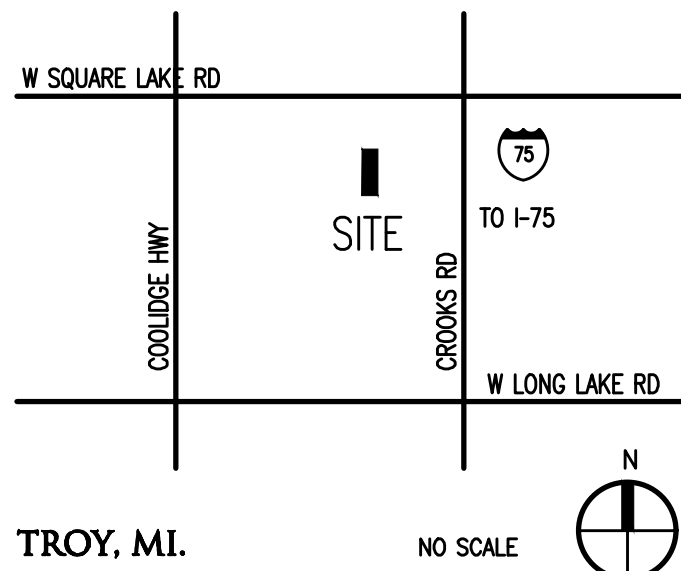


			<div><p>ARCHITECTURE</p><p>T M P ARCHITECTURE I N C</p><p>1191 WEST SQUARE LAKE ROAD · BLOOMFIELD HILLS · MICHIGAN · 48302</p><p>PH · 248.338.4561 FX · 248.338.0223 EM · INFO@TMP-ARCHITECTURE.COM</p></div>					<div><p>PROFESSIONAL ENGINEERING ASSOCIATES</p><p>2430 Rochester Ct, Suite 100 Troy, MI 48063-1872 Phone: (248) 689-9090 Fax: (248) 689-1044 website: www.peainc.com</p></div> <div><p>OCBA LANDSCAPE ARCHITECTS</p><p>141 E. Michigan Ave, Suite 500 Kalamazoo, Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944</p></div>
<div>HAMILTON ELEMENTARY SCHOOL PLAYGROUND</div> <div>TROY SCHOOL DISTRICT – TROY, MICHIGAN</div>								
<div>2022 BOND PROGRAM – BID PACKAGE NO 01B</div> <div>PROJECT NUMBER 22089B</div> <div>CONSTRUCTION DOCUMENTS</div>								
<div>CONSULTANTS:</div> <div>CIVIL ENGINEER</div> <div><div>PEA GROUP</div><div>CONSULTING ENGINEERS</div><div>1849 POND RUN</div><div>AUBURN HILLS, MICHIGAN 48326</div><div>PHONE: (248) 689-9090</div></div> <div>PLAYGROUND CONSULTANT</div> <div><div>OCBA LANDSCAPE ARCHITECTS</div><div>CONSULTING ENGINEERS</div><div>141 E. MICHIGAN AVE., SUITE 500</div><div>KALAMAZOO, MICHIGAN 49007</div><div>PHONE: (269) 381-3357</div></div>		<div>LIST OF DRAWINGS</div> <div>GENERAL INFORMATION</div> <div>TS.1 COVER SHEET</div> <div>TG.1 GENERAL INFORMATION</div>	<div>CIVIL (PLAYGROUND)</div> <div>C1.0 DEMOLITION PLAN</div> <div>C2.0 OVERALL PLAYGROUND LAYOUT PLAN</div> <div>C2.1 PLAYGROUND LAYOUT ENLARGEMENT PLANS</div> <div>C2.2 PLAYGROUND LAYOUT ENLARGEMENT PLANS</div> <div>C2.3 PLAYGROUND LAYOUT ENLARGEMENT PLANS</div> <div>C3.0 OVERALL PLAYGROUND DRAINAGE PLAN</div> <div>C3.1 PLAYGROUND DRAINAGE ENLARGEMENT PLAN</div> <div>C3.2 PLAYGROUND DRAINAGE ENLARGEMENT PLAN</div> <div>C4.0 DETAILS</div>	<div>CIVIL</div> <div>CE-2.1.0 TOPOGRAPHIC SURVEY</div> <div>CE-2.2.0 DIMENSION & PAVING PLAN</div> <div>CE-2.3.0 GRADING, UTILITY & SOIL EROSION CONTROL PLAN</div> <div>CE-2.4.0 NOTES & DETAILS</div>	<div>LANDSCAPE</div> <div>L1.0 SITE LANDSCAPE PLAN</div>		<div>PROJECT DATA:</div> <div>LOCATION MAP</div> <div></div> <div>TROY, MI.</div>	<div>BUILDING:</div> <div>BUILDING AREA(S) = NOT APPLICABLE</div> <div>CODE:</div> <div>GOVERNING CODES:</div> <div>- 2016 SCHOOL FIRE SAFETY RULES</div> <div>- (2012 Life Safety Code, plus amendments)</div> <div>- 2015 MICHIGAN BUILDING CODE</div> <div>- 2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS</div> <div>- 2018 MICHIGAN PLUMBING CODE</div> <div>- 2015 MICHIGAN MECHANICAL CODE</div> <div>- 2015 MICHIGAN UNIFORM ENERGY CODE</div> <div>(ANSI/ASHRAE/IES Standard 90.1-2013)</div> <div>- 2017 MICHIGAN ELECTRICAL CODE (2017 NEC, plus Part 8 Rules)</div> <div>- 2010 MICHIGAN ELEVATOR RULES</div> <div>(ASME A17.1-2010, ASME A18.1-2011)</div> <div>- MICHIGAN BARRIER FREE CODE</div> <div>(Michigan Building Code 2015 and ICC A117.1-2009)</div> <div>- 2013 MICHIGAN BOILER CODE RULES</div> <div>(ASME Boiler and Pressure Vessel Code, 2019 edition)</div> <div>(National Board Inspection Code [NBIC], 2019 edition)</div> <div>CONSTRUCTION CLASSIFICATION: II-B(MBC)/11(000)NFPA</div> <div>USE GROUP CLASSIFICATION: E-EDUCATION</div> <div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div>10-03-2024 CONSTRUCTION DOCUMENTS</div> <div>DATE ISSUED FOR:</div>
<div>LICENSEE'S STATEMENT:</div> <div>This Document has been prepared under the supervision of the Architect, as the person in Responsible Charge with the firm of TMP ARCHITECTURE, INC. An original embossed or rubber stamp seal and original signature of the Architect is required and shall be affixed to any copy of this Document submitted to a governmental agency for approval or record. This is in conformance with the State of Michigan's PA 299, Article 20 and the General Rules of the Board of Architects.</div> <div>The Architect's seal provided hereon does not take responsibility for certain portions of the Documentation or project requiring the services of a licensed Professional Engineer or other design professional. An original embossed or rubber stamp seal and original signature of the Professional Engineer is required and shall be affixed to any copy of this or other Document submitted to a governmental agency for approval or record. The engineering firms associated with this document are listed above as Consultants.</div>		<div>REGISTRATION SEALS</div>					<div>COPYRIGHT</div> <div>© The "architectural work" displayed on these documents is owned exclusively by TMP Architecture, Inc. and may not be used for any purpose without their involvement or express written consent.</div>	<div>PROJECT TITLE</div> <div>Hamilton Elementary School</div> <div>PROJECT NO.</div> <div>22089B</div> <div>DRAWING NO.</div> <div>TS.1</div>

STIM	STEAM
STL	STEEL
STL, PL.	STEEL PLATE
STIFF.	STIFFENER
STO. FR.	STORAGEFRONT
STOR.	STORAGE
STR.	STRAIGHT
ST.	STREET
STRUCT.	STRUCTURAL
S-	STRUCTURAL DRAWING-NO.
S.G.F.T.	STRUCTURAL GLAZED FACING TILE
S.TL	STRUCTURAL STEEL
S.S.D.	SUBSOIL DRAIN
S.S.D.C.	SUBSOIL DRAIN CONNECTION
S.D.	SURFACE
S.A.G.	SUPPLY AIR GRILLE
S.U.	SUPPLY DIFFUSER/ DUCT
SUBST.	SUBSTITUTE
S.A.R.	SUPPLY AIR REGISTER
S.F.	SUPPLY FAIR

[illegible]

ELEVATION	SECTION	MATERIAL	ELEVATION	SECTION	MATERIAL	ELEVATION	SECTION	MATERIAL
		BRICK			FINISH HARDWOOD			GYPSUM DRYWALL (WALLBOARD)
		CONCRETE MASONRY UNITS (BLOCK)			WOOD BLOCKING/ NAILER (Continuous)			PLASTER OR VENEER PLASTER
		SOLID CONCRETE MASONRY UNITS			WOOD BLOCKING/ NAILER (Non-continuous)			CEMENT PLASTER AND METAL LATH
		PREFACED CONCRETE MASONRY UNITS			PARTICLE BOARD (Large Scale)			CERAMIC TILE (Large Scale)
		STRUCTURAL GLAZED FACING TILE			PLYWOOD (Large Scale)			TERRAZZO (Large Scale)
		CONCRETE			HARDWOOD VENEER PLYWOOD (Large Scale)			CARPET (Large Scale)
		STONE/ SLATE/ OR GRANITE			PLASTIC LAMINATE GLAD PLYWOOD OR PARTICLE BOARD (Large Scale)			VINYL COMPOSITION TILE (V.C.T.) (Large Scale)
		EARTH			BATT OR BLANKET INSULATION			SEALANT AND BACKER ROD (Large Scale) (Depth Equal to Half Joint Width)
		POROUS FILL (GRAVEL OR STONE)			RIGID INSULATION			JOINT FILLER MATERIAL OR ISOLATION JOINT FILLER (Large Scale)
		COMPACTED DRAINAGE FILL (SAND)			SPRAY-APPLIED INSULATION			COLD FORMED METAL FRAMING
		MARBLE			ACOUSTICAL CEILING TILE OR PANEL			STRUCTURAL STEEL SHAPES (Continuous Sections Hatched or Solid, Non-continuous Sections Open)
		STEEL AND FERROUS METAL (Large Scale)			GLASS (Large Scale)			
		ALUMINUM AND NON-FERROUS METAL (Large Scale)			GLASS (Small Scale)			

DETAIL IDENTIFICATION NUMBER

DETAIL IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

DETAIL TITLE

SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE DETAIL IS DRAWN)

DETAIL LOCATION INDICATION

DETAIL IDENTIFICATION NUMBER

(WALL SECTIONS)

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

(PLAN SECTIONS)

DETAIL LOCATION INDICATION FOR ENLARGED PLANS

DETAIL IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

SECTION IDENTIFICATION

SECTION IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

SECTION TITLE

SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE SECTION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE SECTION IS DRAWN)

SECTION LOCATION INDICATION

SECTION IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE SECTION IS DRAWN)

ELEVATION INDICATION

ELEVATION IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

ELEVATION TITLE

SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE ELEVATION IS DRAWN)

ELEVATION INDICATION

ELEVATION IDENTIFICATION NUMBER(S)
(SAME LETTER ON SHEET WHERE DRAWN OR REFERENCED)

INDICATES DIRECTION OF VIEW OR MULTIPLE VIEWS

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN)

MATCH LINE INDICATION

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER OF DRAWING)

ZONE 'A'

ZONE 'B'

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DRAWING IS CONTINUED)

DOOR INDICATION

DOOR SWING INDICATION-NEW DOOR

DOOR SWING INDICATION-EXISTING DOOR

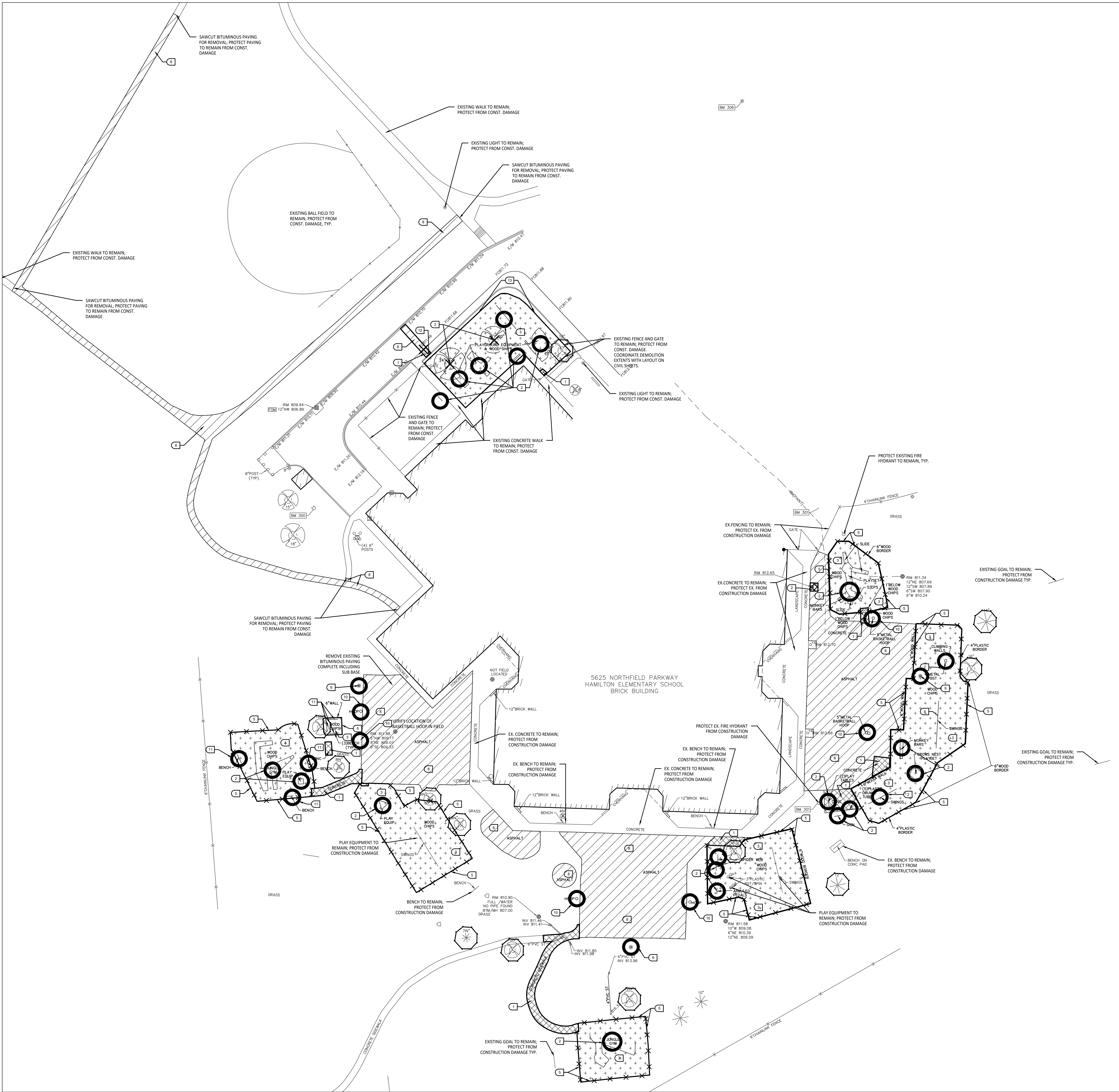
DOOR SWING INDICATION-EXISTING DOOR TO BE REMOVED

ROOM NAME AND NUMBER INDICATION

ROOM IDENTIFICATION

DOOR TO ROOM SHALL REPEAT ROOM NUMBER ASSIGNED TO ROOM. MULTIPLE DOORS TO ROOM SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR

 ARCHITECTURE	
T M P A R C H I T E C T U R E I N C	
1191 WEST SQUARE LAKE ROAD BLOOMFIELD HILLS • MICHIGAN • 48302 PH • 246.338-6561 FX • 246.338.0223 EM • INFO@TMP-ARCHITECTURE.COM	
REGISTRATION SEAL	
CONSULTANT	
PROJECT TITLE	
Hamilton Elementary School Playground Remodel Bid Package No.01B	
Troy School District Troy, Michigan	
DRAWING TITLE	
General Information	
ISSUE STATES	
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
10-03-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	...
CHECKED	...
APPROVED	...
PROJECT NO.	
22089B	
DRAWING NO.	
TG.1	



DEMOLITION NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MI, 48326. 248-689-9090.
2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
3. PROTECT ALL TREES & EXISTING FEATURES TO REMAIN AS SPECIFIED.
4. REFER TO LAYOUT PLAN FOR LIMITS OF WORK.
5. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
6. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.
7. ALL PAVEMENT DEMOLITION TO BE SAWCUT AND REMOVED COMPLETELY, INCLUDING BASE/SUBBASE MATERIALS.
8. ALL EXISTING PLAYGROUND EQUIPMENT TO BE REMOVED **MUST BE DESTROYED COMPLETELY** SO THAT IT CANNOT BE RE-ASSEMBLED. THE CONTRACTOR IS NOT ALLOWED TO RE-USE, DONATE, OR SELL ANY EXISTING PLAYGROUND EQUIPMENT SCHEDULED TO BE DEMOLISHED.
9. IN LOCATIONS WHERE PROPOSED PAVING WILL BE INSTALLED WHERE EXISTING PAVING WAS REMOVED, THE BASE MATERIAL MAY BE LEFT IN PLACE PROVIDED IT IS TESTED TO BE ADEQUATE IN BOTH DEPTH AND GRADATION. IF EITHER OF THESE IS INADEQUATE, THE BASE MATERIAL SHOULD BE REMOVED AND REPLACED.

SITE DEMOLITION KEY

- 1 SAWCUT AND REMOVE EXISTING CONCRETE PAVING INCLUDING SUB-BASE.
- 2 REMOVE EXISTING PLAY EQUIPMENT INCLUDING ALL CONCRETE FOOTINGS. DESTROY ALL PLAY EQUIPMENT COMPLETELY SO THAT IT CANNOT BE RE-ASSEMBLED.
- 3 REMOVE EXISTING PLAY SAFETY SURFACING, INCLUDING DRAINAGE AGGREGATE.
- 4 PLAYGROUND CONTRACTOR TO SALVAGE EXISTING PLAY EQUIPMENT AND RE-INSTALL ON-SITE.
- 5 REMOVE EXISTING PLAY EDGING COMPLETELY.
- 6 REMOVE EXISTING FENCING COMPLETELY (INCLUDING FOUNDATIONS)
- 7 REMOVE EXISTING TREE INCLUDING ALL ROOT SYSTEMS.
- 8 SAWCUT AND REMOVE EXISTING BITUMINOUS PAVEMENT INCLUDING SUB-BASE.
- 9 OWNER TO CONFIRM POWER DISCONNECTION FROM LIGHT FIXTURE. SITE CONTRACTOR TO CUT WIRE AT A MINIMUM OF 24" BELOW FINISHED GRADE.
- 10 SALVAGE EXISTING PLAY EQUIPMENT, PLAYGROUND CONTRACTOR TO REINSTALL ON SITE.
- 11 SALVAGE EXISTING SITE FURNISHINGS AND REINSTALL AT LOCATION TO BE DETERMINED.
- 12 SAWCUT AND REMOVE EXISTING CURB AND GUTTER.
- 13 SALVAGE EXISTING FENCE AND RE-INSTALL ON SITE PER CIVIL PLANS.

DEMOLITION LEGEND:

- SAWCUT AND REMOVE BITUMINOUS PAVEMENT AND BASE
- SAWCUT AND REMOVE CONCRETE PAVEMENT, INCLUDING SUBBASE
- REMOVE PLAY SAFETY SURFACING INCLUDING DRAINAGE AGGREGATE
- NO WORK, PARKING OR STORAGE IN THIS SHADED AREA
- REMOVE TREE
- REMOVE EXISTING FENCE
- SAWCUT & REMOVE CONCRETE CURB & GUTTER
- REMOVE MISCELLANEOUS FEATURE AS NOTED
- RELOCATE EXISTING SITE LIGHTING PER ELEC. PLAN
- TEMPORARY TREE PROTECTION FENCE, REFER TO DETAIL 1/C4.0

TREE PROTECTION NOTES:

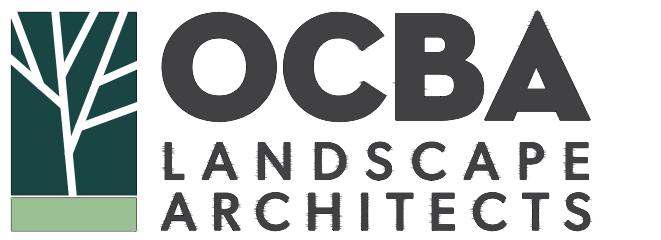
- PROVIDE AND MAINTAIN TEMPORARY TREE PROTECTION FENCING IN ALL LOCATIONS MARKED **1**. TREE FENCING SHALL BE PROVIDED AND IN PLACE PRIOR TO ANY WORK ON SITE (INCLUDING TOPSOIL STRIPPING OPERATIONS). REFER TO THE FOLLOWING NOTES AND THE SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS.
1. NO CONSTRUCTION OPERATIONS, EQUIPMENT, MATERIALS OR TOPSOIL SHALL BE ALLOWED WITHIN THE TREE PROTECTION AREAS.
 2. EXISTING GROUND COVER AND TOPSOIL SHALL NOT BE REMOVED FROM TREE PROTECTION AREAS DURING EARTHWORK PHASE.
 3. VEHICULAR TRAFFIC, PARKING, EQUIPMENT OR MATERIAL STORAGE MAY NOT OCCUR WITHIN THE TREE PROTECTION AREAS AT ANY TIME.
 4. NO EXCAVATION SHALL BE MADE WITHIN THE TREE PROTECTION AREAS EXCEPT AS NOTED OTHERWISE.



TMP ARCHITECTURE INC
1591 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0023
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE

Demolition Plan

ISSUE DATES

10-03-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN:	DID
CHECKED:	DID
APPROVED:	DID

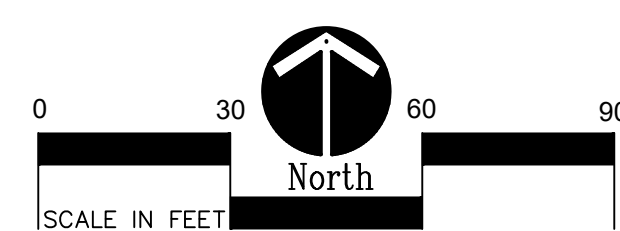
PROJECT NO.

22089B

DRAWING NO.

C1.0

1 Overall Playground Layout Plan
Scale: 1" = 30'-0"



BARRIER-FREE NOTES

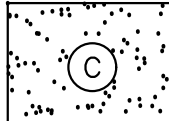
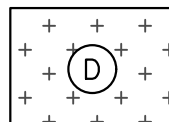
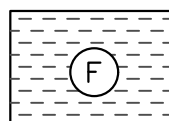

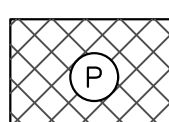
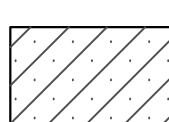
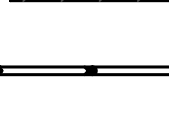




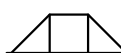


BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1.50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE.
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE.
- 1.50 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).
- 1.50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

NOTE: PLAYGROUND EQUIPMENT AND SURFACING PURCHASE AND INSTALLATION IS UNDER SEPARATE CONTRACT AND IS NOT INCLUDED IN THIS BID PACKAGE. CONTRACTOR IS REQUIRED TO COORDINATE INSTALLATION OF PLAYGROUND EQUIPMENT AND SURFACING WITH PLAYGROUND INSTALLER PRIOR TO ANY EXCAVATION AND CONCRETE CURBING OR PAVING INSTALLATION.

NOTE: VERIFY LOCATION OF NEW PLAYGROUND EQUIPMENT PRIOR TO INSTALLATION OF ANY CONCRETE CURB. CONCRETE CURB TO BE INSTALLED OUTSIDE OF FALL SAFETY ZONE OF EACH PIECE OF EQUIPMENT PER ASTM 1487-0 AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

PROPOSED FEATURES LEGEND:

SYMBOL	DESCRIPTION	KEY	DESCRIPTION	DETAIL
	RESILIENT SURFACING (BY OTHERS)	(A)	STRAIGHT FACE CONCRETE CURB	6 /C4.0
	LOOSE FILL SAFETY SURFACING (BY OTHERS)	(B)	THICKENED EDGE CONCRETE	11 /C4.0
	N/A	(C)	RESILIENT SURFACING (BY OTHERS)	7 /C4.0
	N/A	(D)	LOOSE FILL SAFETY SURFACING (BY OTHERS)	3 & 9 /C4.0
	N/A	(E)	PLASTIC PLAY EDGING (BY OTHERS)	12, 13, & 18 /C4.0
	PLAY SAND	(F)	N/A	
	PLAY HILL, REFER TO CIVIL DRAWINGS	(G)	CONCRETE WALK	2 /C4.0
	PLASTIC PLAY EDGING, BY OTHERS REFER TO PLAYGROUND CONTRACTOR'S DRAWINGS AND SPECS	(H)	PLAY AREA ENTRANCE RAMP	16 /C4.0
	STRAIGHT FACE CONCRETE CURB	(I)	CONCRETE SAND BOX	15 /C4.0
	THICKENED EDGE CONCRETE	(K)	BASKETBALL HOOP POLE (BY OTHERS)	17 /C4.0
	INTEGRAL WALK AND CURB	(L)	N/A	
	BARRIER-FREE PLAY AREA ENTRANCE RAMP	(M)	N/A	
	CHAIN LINK FENCE, REFER TO CIVIL PLANS	(N)	N/A	
	ENLARGEMENT LIMIT LINE	(P)	PLAY SAND	REFER TO SPECS

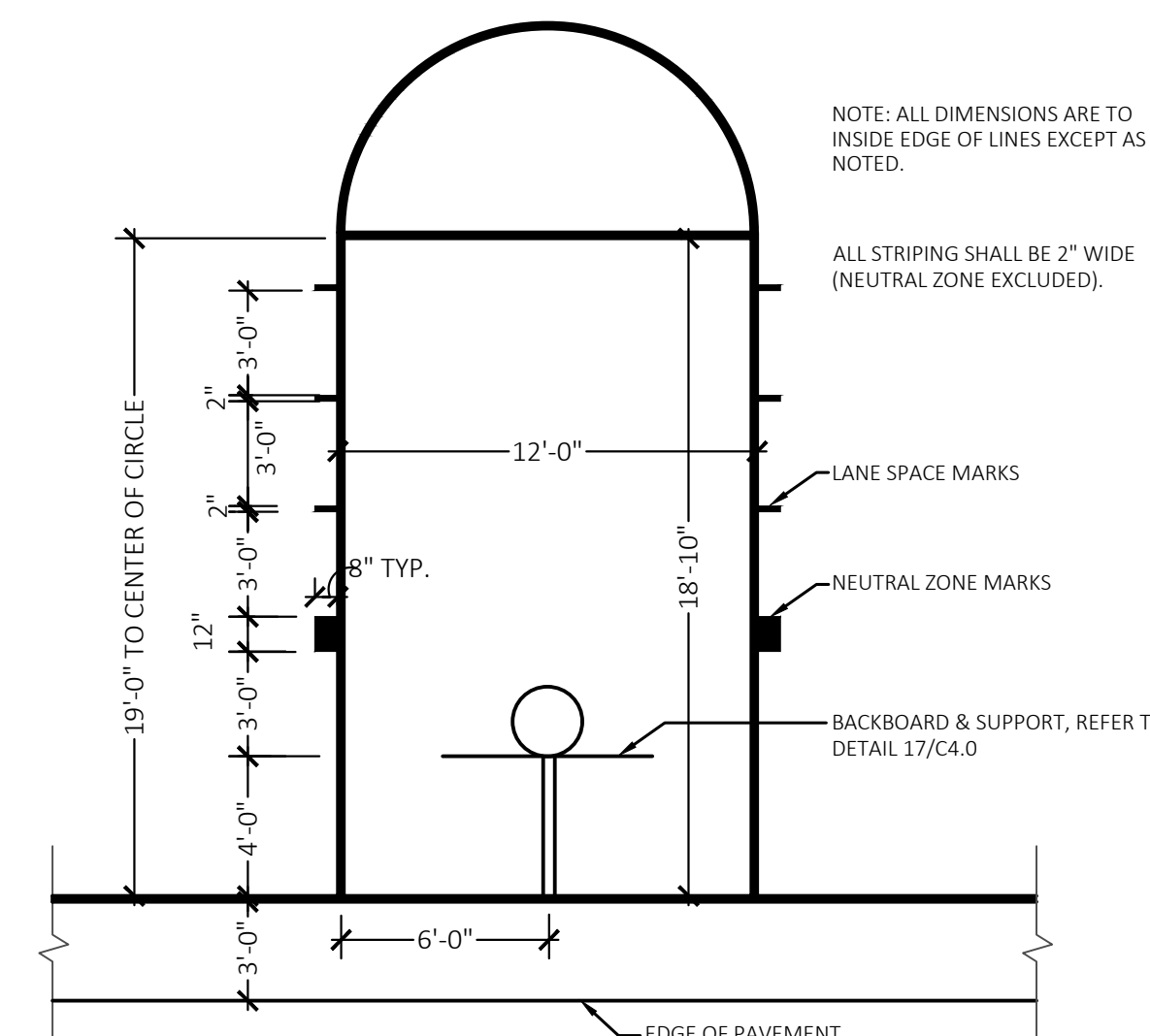
SIGNS

(S1)	COMMUNICATION BOARD; PURCHASED BY OWNER, INSTALLED BY SITE CONTRACTOR	10 / C4.0
------	---	-----------

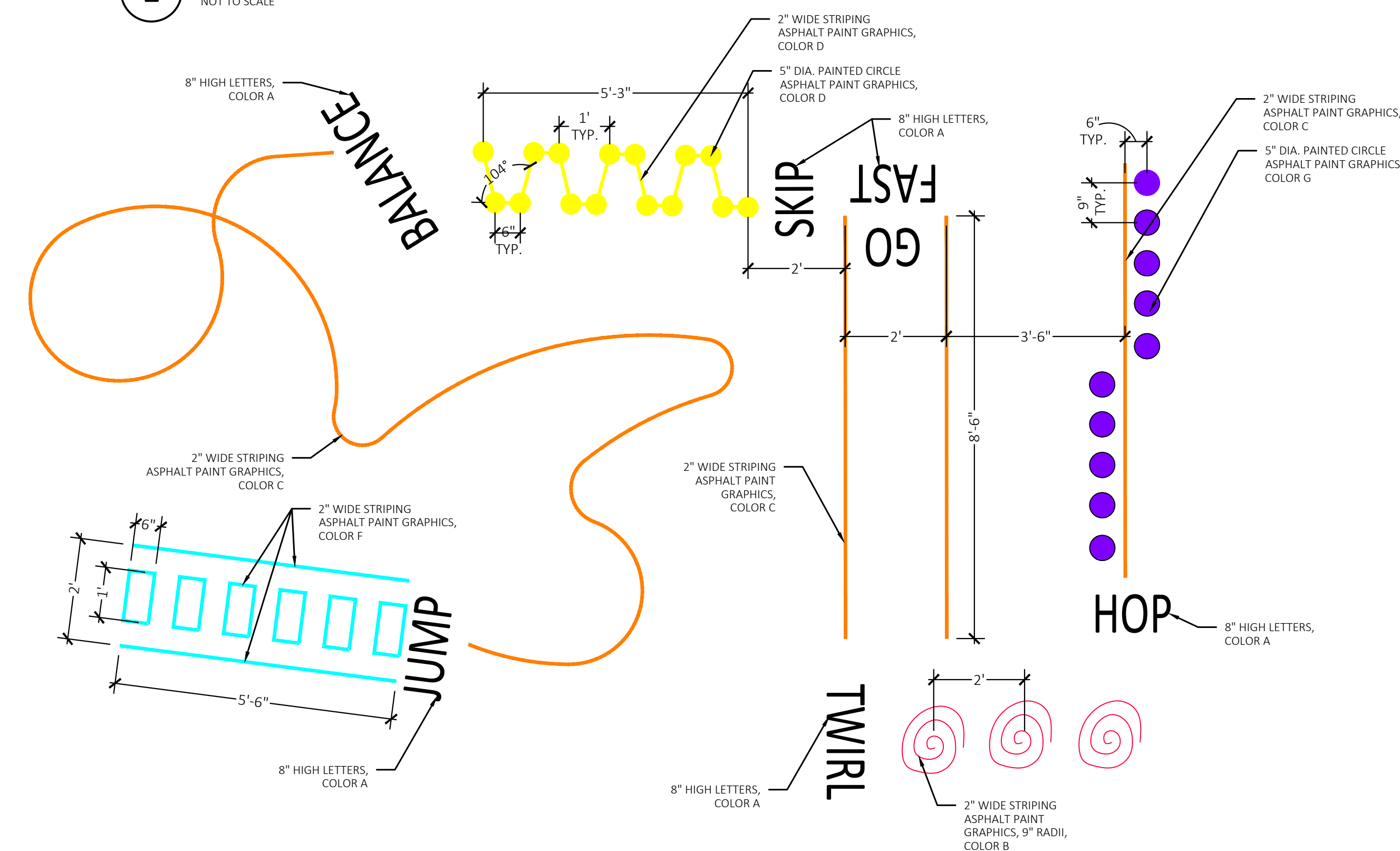
CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:

- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
- * SITE CONTRACTOR TO INSTALL UNDERDRAIN/AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAUNCH SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
- * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE NOT TO DAMAGE THE POSTS OR THE CONCRETE FOOTINGS OF THE PLAYGROUND EQUIPMENT. THE SITE CONTRACTOR SHALL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREA. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.



2 Basketball Lane Layout



3 Silly Track Layout



T M P A R C H I T E C T U R E I N C
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

Hamilton Elementary School Playground Remodel Bid Package No.01B

Troy School District
Troy, Michigan

DRAWING TITLE
Overall Playground
Layout Plan

ISSUE DATES

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN	DID
-------	-----

CHECKED	DID
---------	-----

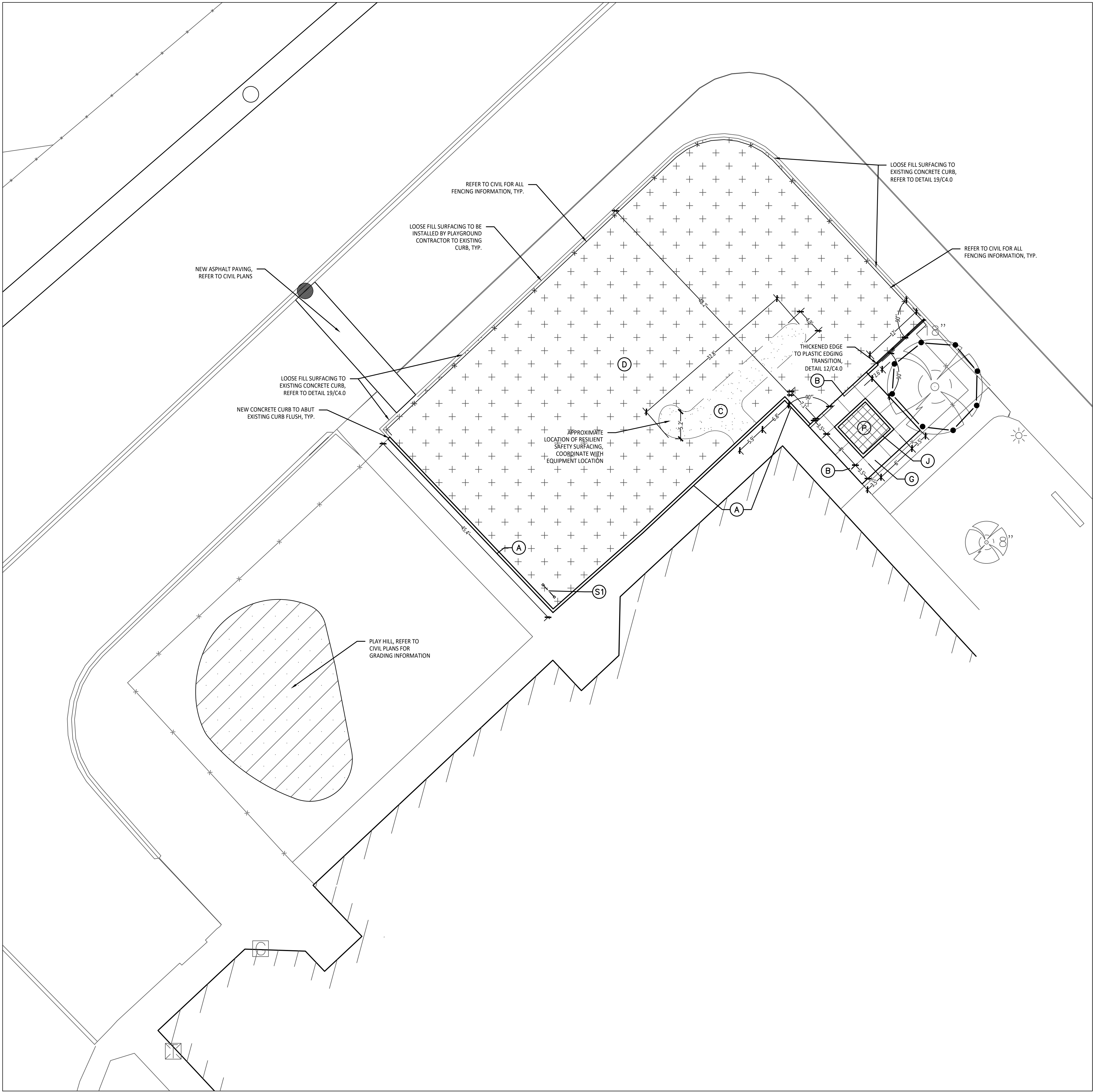
APPROVED ☐ DID ☐

PROJECT NO.

22089B

DRAWING NO.

C2.0

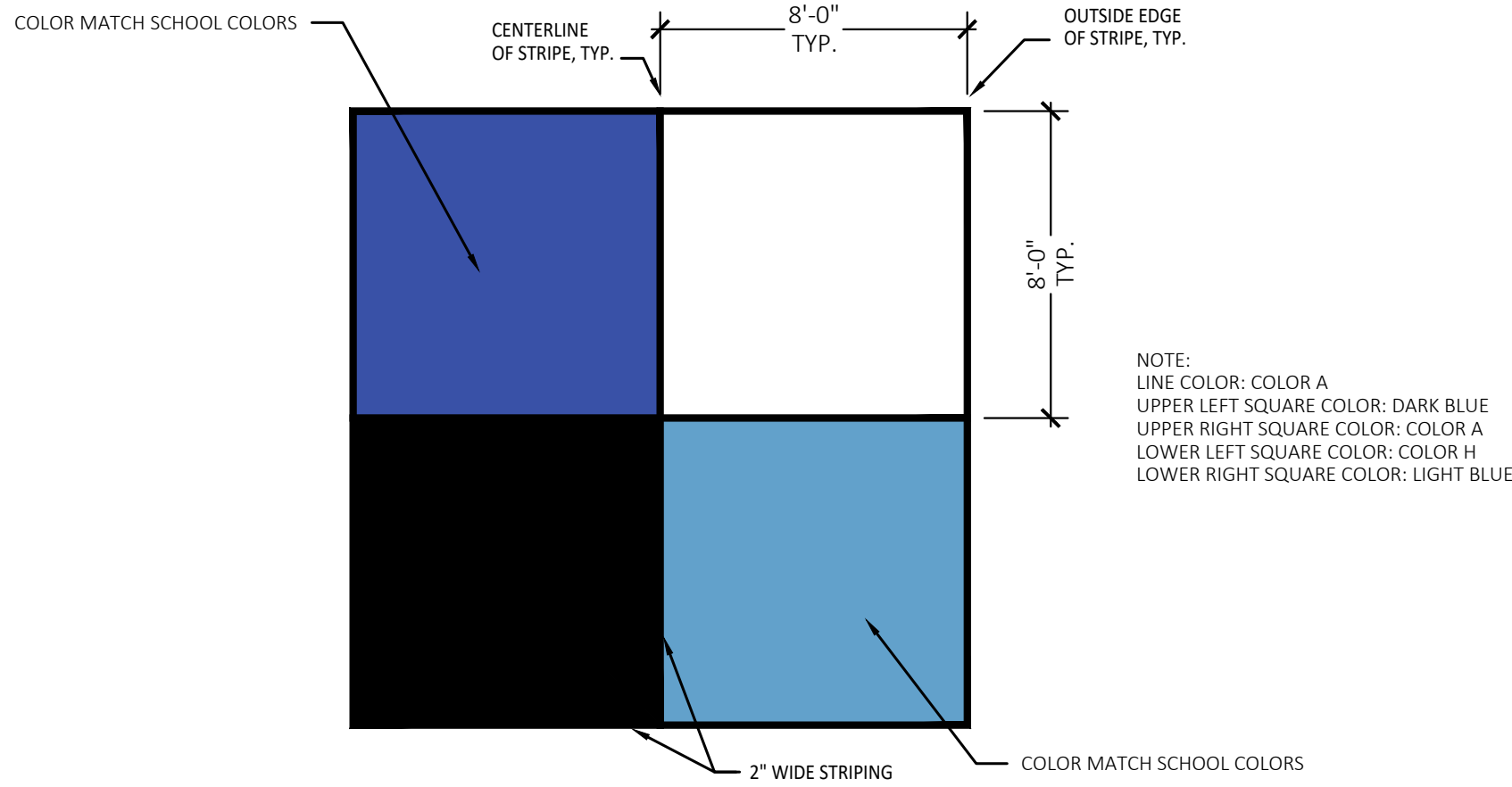


1 Playground Layout Enlargement Plan - Kindergarten
Scale: 1" = 10'-0"

CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:

- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
- * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
- * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
- * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.



2 4 Square Layout Detail
Not to Scale

BARRIER-FREE NOTES

BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS SLOPE ON ACCESSIBLE ROUTE
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED)
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

NOTE: VERIFY LOCATION OF NEW PLAYGROUND EQUIPMENT PRIOR TO INSTALLATION OF ANY CONCRETE CURB. CONCRETE CURB TO BE INSTALLED OUTSIDE OF FALL SAFETY ZONE OF EACH PIECE OF EQUIPMENT PER ASTM 1487-05 AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

NOTE: PLAYGROUND EQUIPMENT AND SURFACING PURCHASE AND INSTALLATION IS UNDER SEPARATE CONTRACT AND IS NOT INCLUDED IN THIS BID PACKAGE. CONTRACTOR IS REQUIRED TO COORDINATE INSTALLATION OF PLAYGROUND EQUIPMENT AND SURFACING WITH PLAYGROUND INSTALLER PRIOR TO ANY EXCAVATION AND CONCRETE CURBING OR PAVING INSTALLATION.

LAYOUT NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN 48326, (248)689-9090.
2. PAVEMENT DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR BACK OF CURB. PLASTIC EDGING IS MEASURED TO/FROM CENTER OF PIN.
3. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
4. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
5. PROVIDE BARRIER FREE PARKING SIGNS FOR ALL BARRIER FREE PARKING SPACES. ALL SIGNS TO COMPLY WITH THE MDOT MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
6. SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR FUTURE SITE WORK.

PROPOSED FEATURES LEGEND:

SYMBOL	DESCRIPTION	KEY	DESCRIPTION	DETAIL
	RESILIENT SURFACING (BY OTHERS)	(A)	STRAIGHT FACE CONCRETE CURB	6 /C4.0
	LOOSE FILL SAFETY SURFACING (BY OTHERS)	(B)	THICKENED EDGE CONCRETE	11 /C4.0
	N/A	(C)	RESILIENT SURFACING (BY OTHERS)	7 /C4.0
	N/A	(D)	LOOSE FILL SAFETY SURFACING (BY OTHERS)	3 & 9 /C4.0
	N/A	(E)	PLASTIC PLAY EDGING (BY OTHERS)	12, 13, & 18 /C4.0
	N/A	(F)	N/A	N/A
	N/A	(G)	CONCRETE WALK	2 /C4.0
	N/A	(H)	PLAY AREA ENTRANCE RAMP	16 /C4.0
	N/A	(J)	CONCRETE SAND BOX	15 /C4.0
	N/A	(K)	BASKETBALL HOOP POLE (BY OTHERS)	17 /C4.0
	N/A	(L)	N/A	N/A
	N/A	(M)	N/A	N/A
	N/A	(N)	N/A	N/A
	N/A	(P)	PLAY SAND	REFER TO SPECS
	PLAY HILL, REFER TO CIVIL DRAWINGS			
	PLASTIC PLAY EDGING, BY OTHERS REFER TO PLAYGROUND CONTRACTOR'S DRAWINGS AND SPECS			
	STRAIGHT FACE CONCRETE CURB			
	THICKENED EDGE CONCRETE			
	INTEGRAL WALK AND CURB			
	BARRIER-FREE PLAY AREA ENTRANCE RAMP			
	CHAIN LINK FENCE, REFER TO CIVIL PLANS			
	ENLARGEMENT LIMIT LINE			
		SIGNS		
		(S)	COMMUNICATION BOARD; PURCHASED BY OWNER, INSTALLED BY SITE CONTRACTOR	SEE SPECS.

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0023
EMAIL - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE
**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

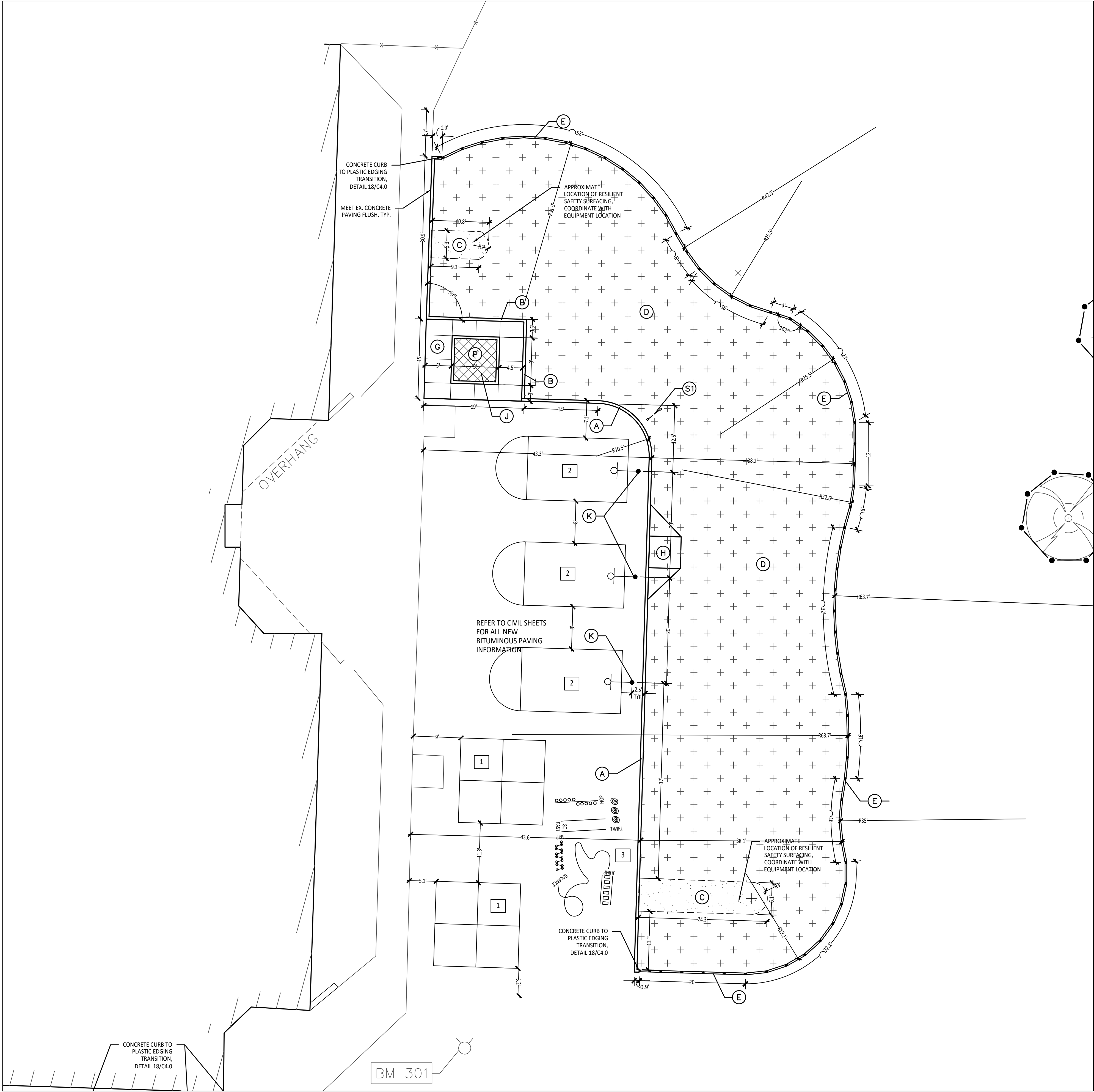
**Troy School District
Troy, Michigan**

DRAWING TITLE
**Playground Layout
Enlargement Plans**

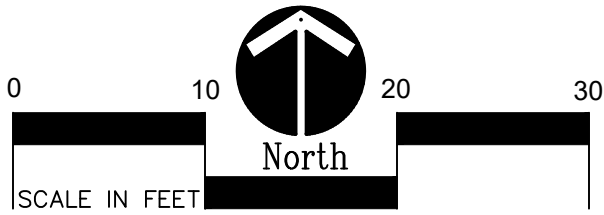
ISSUE DATES	
10-03-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN:	DID
CHECKED:	DID
APPROVED:	DID

PROJECT NO.
22089B

DRAWING NO.
C2.1



1 Playground Layout Enlargement Plan - Lower Elementary
Scale: 1" = 10'-0"



BARRIER-FREE NOTES

BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS SLOPE ON ACCESSIBLE ROUTE
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED)
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES

NOTE: VERIFY LOCATION OF NEW PLAYGROUND EQUIPMENT PRIOR TO INSTALLATION OF ANY CONCRETE CURB. CONCRETE CURB TO BE INSTALLED OUTSIDE OF FALL SAFETY ZONE OF EACH PIECE OF EQUIPMENT PER ASTM 1487-05 AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

NOTE: PLAYGROUND EQUIPMENT AND SURFACING PURCHASE AND INSTALLATION IS UNDER SEPARATE CONTRACT AND IS NOT INCLUDED IN THIS BID PACKAGE. CONTRACTOR IS REQUIRED TO COORDINATE INSTALLATION OF PLAYGROUND EQUIPMENT AND SURFACING WITH PLAYGROUND INSTALLER PRIOR TO ANY EXCAVATION AND CONCRETE CURBING OR PAVING INSTALLATION.

LAYOUT NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN 48326, (248)689-9090.
2. PAVEMENT DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR BACK OF CURB. PLASTIC EDGING MEASURED TO/FROM CENTER OF PIN.
3. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
4. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
5. PROVIDE BARRIER FREE PARKING SIGNS FOR ALL BARRIER FREE PARKING SPACES. ALL SIGNS TO COMPLY WITH THE MDOOT MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
6. SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR FUTURE SITE WORK.

PROPOSED FEATURES LEGEND:

SYMBOL	DESCRIPTION	KEY	DESCRIPTION	DETAIL
	RESILIENT SURFACING (BY OTHERS)	(A)	STRAIGHT FACE CONCRETE CURB	6 / C4.0
	LOOSE FILL SAFETY SURFACING (BY OTHERS)	(B)	THICKENED EDGE CONCRETE	11 / C4.0
	PLASTIC PLAY EDGING (BY OTHERS)	(C)	RESILIENT SURFACING (BY OTHERS)	7 / C4.0
	N/A	(D)	LOOSE FILL SAFETY SURFACING (BY OTHERS)	3 & 9 / C4.0
	N/A	(E)	PLASTIC PLAY EDGING (BY OTHERS)	12, 13, & 18 / C4.0
	N/A	(F)	N/A	N/A
	N/A	(G)	CONCRETE WALK	2 / C4.0
	N/A	(H)	PLAY AREA ENTRANCE RAMP	16 / C4.0
	N/A	(I)	CONCRETE SAND BOX	15 / C4.0
	N/A	(J)	BASKETBALL HOOP POLE (BY OTHERS)	17 / C4.0
	N/A	(K)	N/A	N/A
	N/A	(L)	N/A	N/A
	N/A	(M)	N/A	N/A
	PLAY SAND	(N)	N/A	N/A
	PLAY HILL, REFER TO CIVIL DRAWINGS	(O)	PLAY SAND	REFER TO SPECS
	PLASTIC PLAY EDGING, BY OTHERS REFER TO PLAYGROUND CONTRACTOR'S DRAWINGS AND SPECS			
	STRAIGHT FACE CONCRETE CURB			
	THICKENED EDGE CONCRETE			
	INTEGRAL WALK AND CURB			
	BARRIER-FREE PLAY AREA ENTRANCE RAMP			
	CHAIN LINK FENCE, REFER TO CIVIL PLANS			
	ENLARGEMENT LIMIT LINE			

SYMBOL	DESCRIPTION	DETAIL
(S)	COMMUNICATION BOARD, PURCHASED BY OWNER, INSTALLED BY SITE CONTRACTOR	SEE SPECS.

CONTRACTOR COORDINATION NOTES:

- SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:
- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
 - * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
 - * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
 - * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
 - * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.

PAINTED GAMES SCHEDULE:

SYMBOL	DESCRIPTION	DETAIL
1	FOUR SQUARE	2/ C2.1
2	BASKETBALL LANE LAYOUT	2/ C2.0
3	SILLY TRACK	3/ C2.0
4	N/A	
5	N/A	
6	N/A	
7	N/A	
8	N/A	
9	N/A	
10	N/A	
11	N/A	



T M P ARCHITECTURE I N C
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0023
BA - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE

**Playground Layout
Enlargement Plans**

ISSUE DATES

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN DID

CHECKED DID

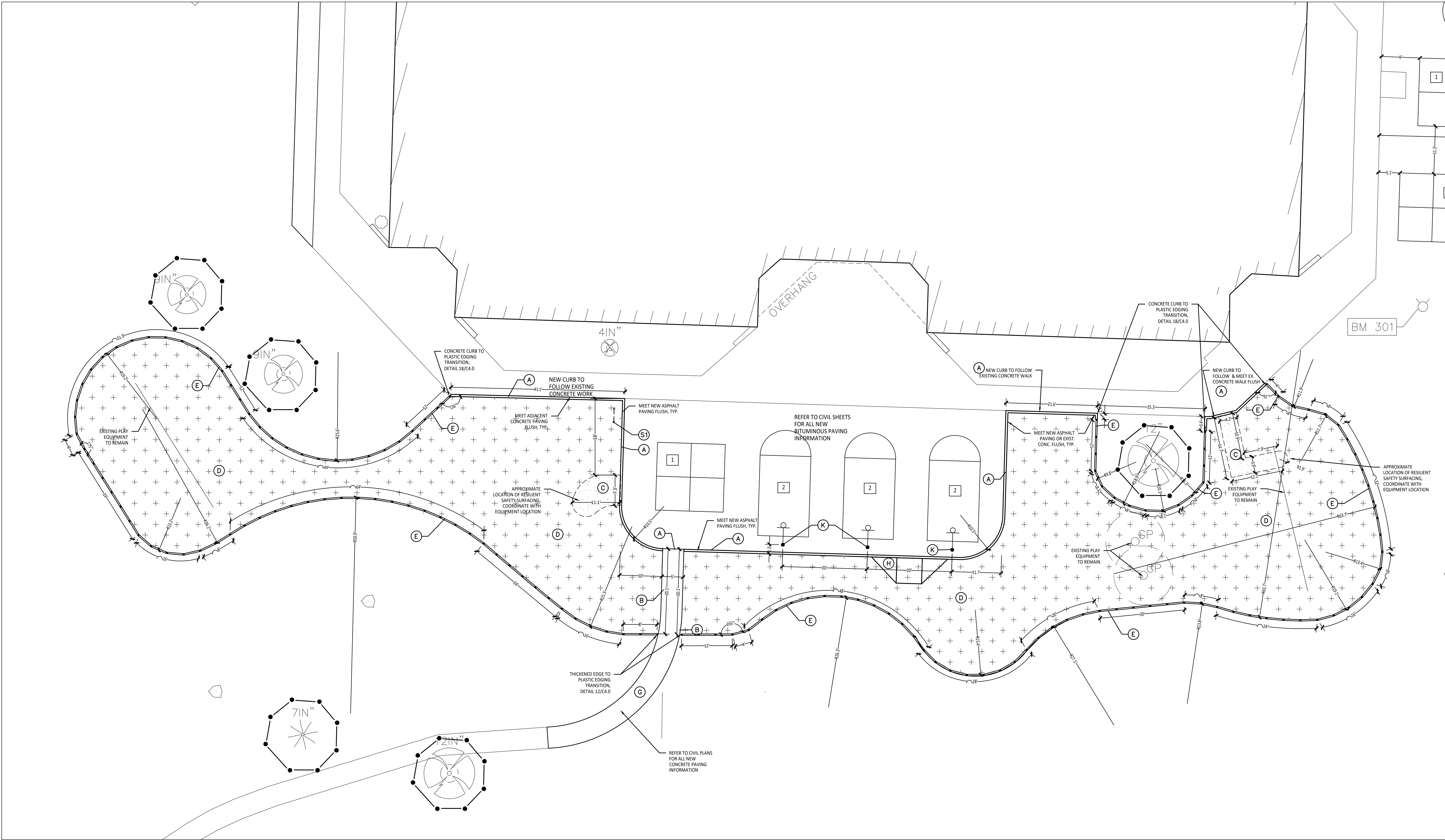
APPROVED DID

PROJECT NO.

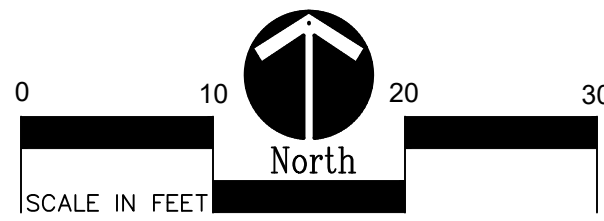
22089B

DRAWING NO.

C2.2



1 Playground Layout Enlargement Plan - Upper Elementary
Scale: 1" = 10'-0"



CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:

- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
- * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
- * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
- * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.

LAYOUT NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN 48326, (248)689-9090.
2. PAVEMENT DIMENSIONS AND RADI ARE TO EDGE OF PAVEMENT OR BACK OF CURB. PLASTIC EDGING MEASURED TO/ FROM CENTER OF PIN.
3. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
4. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
5. PROVIDE BARRIER FREE PARKING SIGNS FOR ALL BARRIER FREE PARKING SPACES. ALL SIGNS TO COMPLY WITH THE MDOT MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
6. SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR FUTURE SITE WORK.

BARRIER-FREE NOTES

BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE.
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE.
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

NOTE: VERIFY LOCATION OF NEW PLAYGROUND EQUIPMENT PRIOR TO INSTALLATION OF ANY CONCRETE CURB. CONCRETE CURB TO BE INSTALLED OUTSIDE OF FALL SAFETY ZONE OF EACH PIECE OF EQUIPMENT PER ASTM 1487-05 AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

NOTE: PLAYGROUND EQUIPMENT AND SURFACING PURCHASE AND INSTALLATION IS UNDER SEPARATE CONTRACT AND IS NOT INCLUDED IN THIS BID PACKAGE. CONTRACTOR IS REQUIRED TO COORDINATE INSTALLATION OF PLAYGROUND EQUIPMENT AND SURFACING WITH PLAYGROUND INSTALLER PRIOR TO ANY EXCAVATION AND CONCRETE CURBING OR PAVING INSTALLATION.

PAINTED GAMES SCHEDULE:

SYMBOL	DESCRIPTION	DETAIL
1	FOUR SQUARE	3/ C2.1
2	BASKETBALL LANE LAYOUT	2/ C2.0
3	SILLY TRACK	3/ C2.0
4	N/A	
5	N/A	
6	N/A	
7	N/A	
8	N/A	
9	N/A	
10	N/A	
11	N/A	

PROPOSED FEATURES LEGEND:

SYMBOL	DESCRIPTION	KEY	DESCRIPTION	DETAIL
	RESILIENT SURFACING (BY OTHERS)	A	STRAIGHT FACE CONCRETE CURB	6/ C4.0
	LOOSE FILL SAFETY SURFACING (BY OTHERS)	B	THICKENED EDGE CONCRETE	11/ C4.0
	N/A	C	RESILIENT SURFACING (BY OTHERS)	7/ C4.0
	N/A	D	LOOSE FILL SAFETY SURFACING (BY OTHERS)	3 & 9/ C4.0
	N/A	E	PLASTIC PLAY EDGING (BY OTHERS)	12, 13, & 18/ C4.0
	N/A	F	N/A	
	N/A	G	CONCRETE WALK	2/ C4.0
	N/A	H	PLAY AREA ENTRANCE RAMP	16/ C4.0
	N/A	I	CONCRETE SAND BOX	15/ C4.0
	N/A	J	BASKETBALL HOOP POLE (BY OTHERS)	17/ C4.0
	N/A	K	N/A	
	N/A	L	N/A	
	N/A	M	N/A	
	N/A	N	N/A	
	N/A	P	PLAY SAND	REFER TO SPECS
	PLASTIC PLAY EDGING, BY OTHERS REFER TO PLAYGROUND CONTRACTOR'S DRAWINGS AND SPECS			
	STRAIGHT FACE CONCRETE CURB			
	THICKENED EDGE CONCRETE			
	INTEGRAL WALK AND CURB			
	BARRIER-FREE PLAY AREA ENTRANCE RAMP			
	CHAIN LINK FENCE, REFER TO CIVIL PLANS			
	ENLARGEMENT LIMIT LINE			
	COMMUNICATION BOARD, PURCHASED BY OWNER, INSTALLED BY SITE CONTRACTOR			



TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0023
EM - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE

**Playground Layout
Enlargement Plans**

ISSUE DATES

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN DID

CHECKED DID

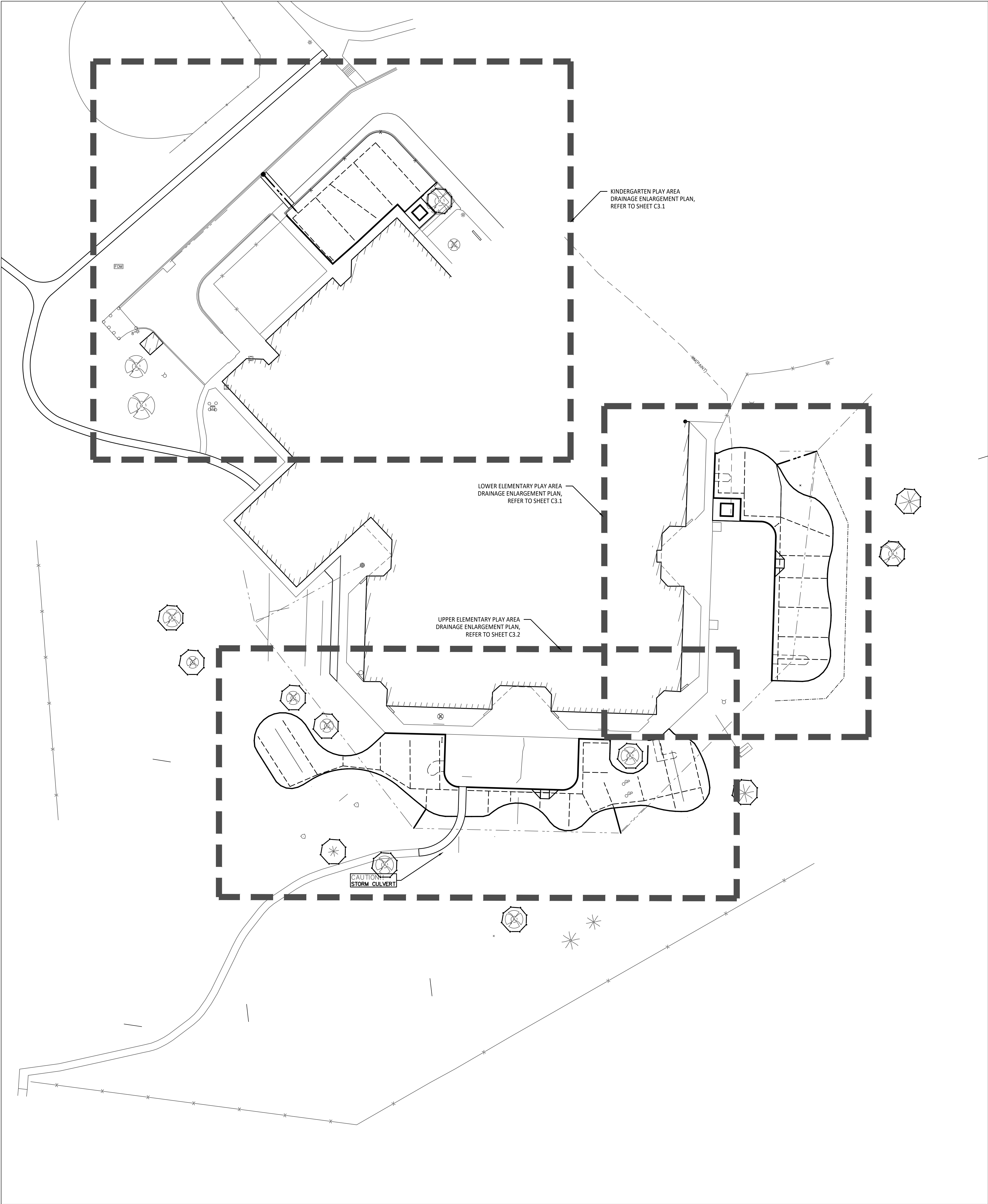
APPROVED DID

PROJECT NO.

22089B

DRAWING NO.

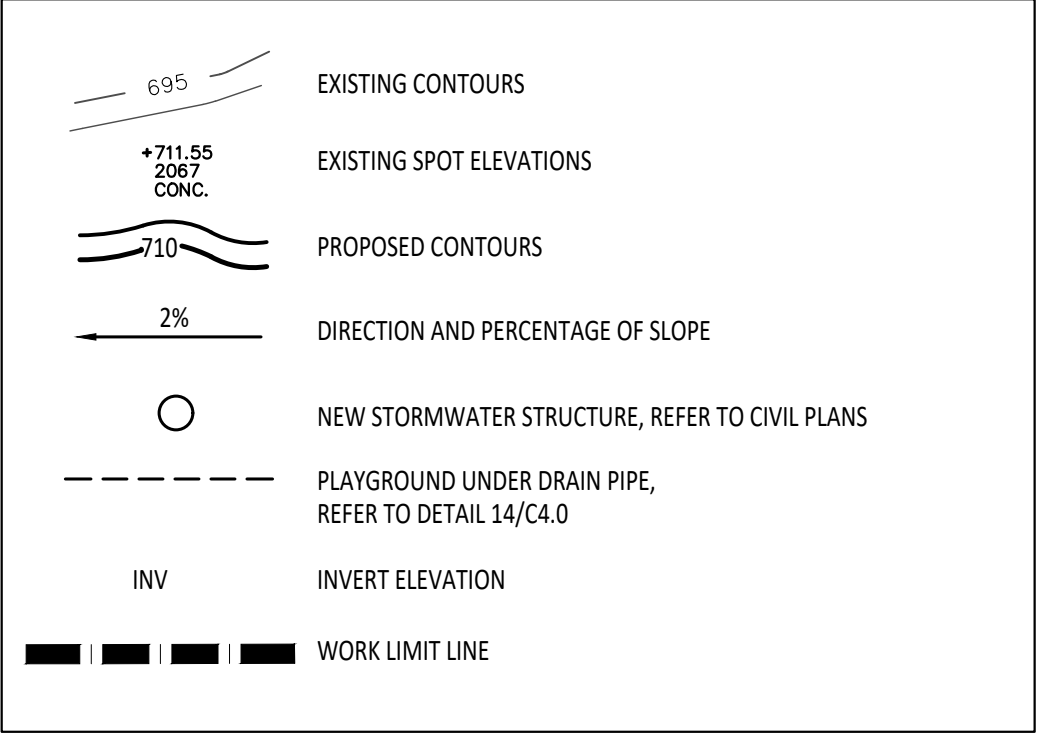
C2.3



GRADING NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN, 48326, (248)689-9090.
2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
3. ALL NEW PAVEMENTS AND TURF AREAS ARE INTENDED TO DRAIN FREELY WITH NO PONDING. IF THIS CANNOT BE ACHIEVED USING THE PROPOSED GRADES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
4. ALL NEW PAVEMENT ELEVATIONS AT EXTERIOR DOORS SHALL MATCH EXISTING FINISH FLOOR ELEVATIONS, TYPICAL.
5. ADJUST TOP OF EXISTING MANHOLES, CATCH BASINS, VAULT COVERS, ETC. TO NEW FINISH GRADE AS REQUIRED.
6. SEE SITE CIVIL PLANS FOR ALL ADDITIONAL SITE UTILITY DEMOLITION AND CONSTRUCTION.
7. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.

PROPOSED FEATURES LEGEND:



IMPORTANT NOTE

GENERAL EARTHWORK NOTE:

CUTS AND FILLS AT THIS SITE MAY OR MAY NOT BALANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIRED EARTHWORK VOLUMES BASED ON THE GRADING PLAN SHOWN. IF FILL IS REQUIRED, THE CONTRACTOR SHALL INCLUDE THE REQUIRED VOLUME OF IMPORTED CLASS II SAND IN THE BASE BID PROPOSAL. IF EXCESS SOILS NEED TO BE SPOILED, THE CONTRACTOR SHALL INCLUDE HAULING AND SPOILING SOILS OFF SITE IN THE BASE BID PROPOSAL. NO CONTRACT COST ADJUSTMENTS WILL BE CONSIDERED FOR EARTHWORK REQUIRED TO BALANCE THE SITE.

IMPORTANT NOTE

BARRIER-FREE NOTES

BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- 1:50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE.
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE.
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:
* SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
* SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
* THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
* THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
* THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.



T M P ARCHITECTURE I N C
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 TX • 248.338.0023
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE

**Overall Playground
Drainage Plan**

ISSUE DATES

1	10-03-2024
2	
3	
4	
5	
6	
7	
8	
9	
10	

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: DID

CHECKED: DID

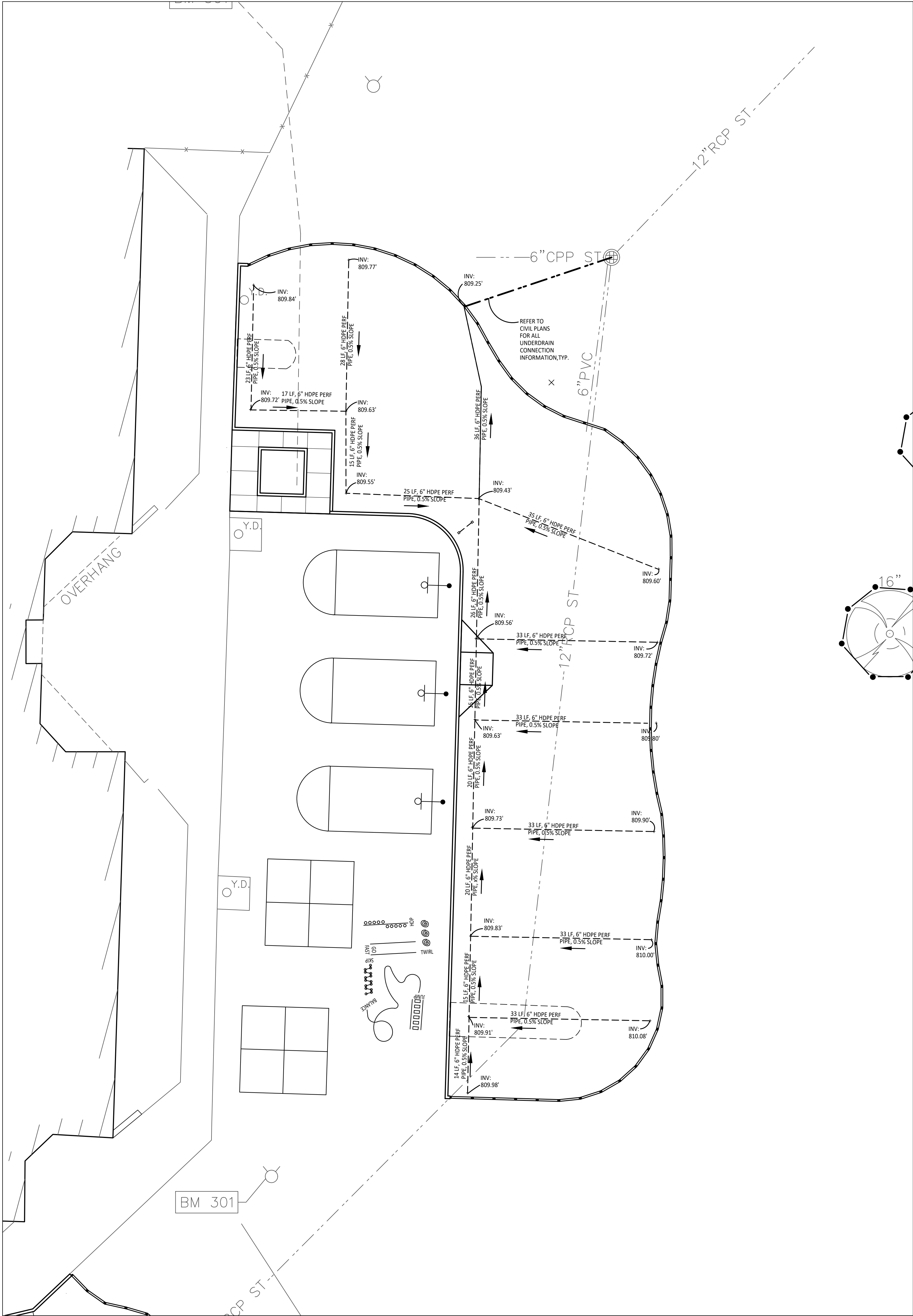
APPROVED: DID

PROJECT NO.

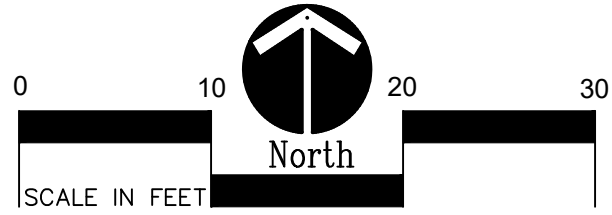
22089B

DRAWING NO.

C3.0



1 Playground Drainage Enlargement Plan - Lower Elementary Play Area
1" = 10'-0"



IMPORTANT NOTE

GENERAL EARTHWORK NOTE:

CUTS AND FILLS AT THIS SITE MAY OR MAY NOT BALANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIRED EARTHWORK VOLUMES BASED ON THE GRADING PLAN SHOWN. IF FILL IS REQUIRED, THE CONTRACTOR SHALL INCLUDE THE REQUIRED VOLUME OF IMPORTED CLASS II SAND IN THE BASE BID PROPOSAL. IF EXCESS SOILS NEED TO BE GRILOED, THE CONTRACTOR SHALL INCLUDE HAULING AND GRILOING SOILS OFF SITE IN THE BASE BID PROPOSAL. NO CONTRACT COST ADJUSTMENTS WILL BE CONSIDERED FOR EARTHWORK REQUIRED TO BALANCE THE SITE.

IMPORTANT NOTE

IMPORTANT NOTE

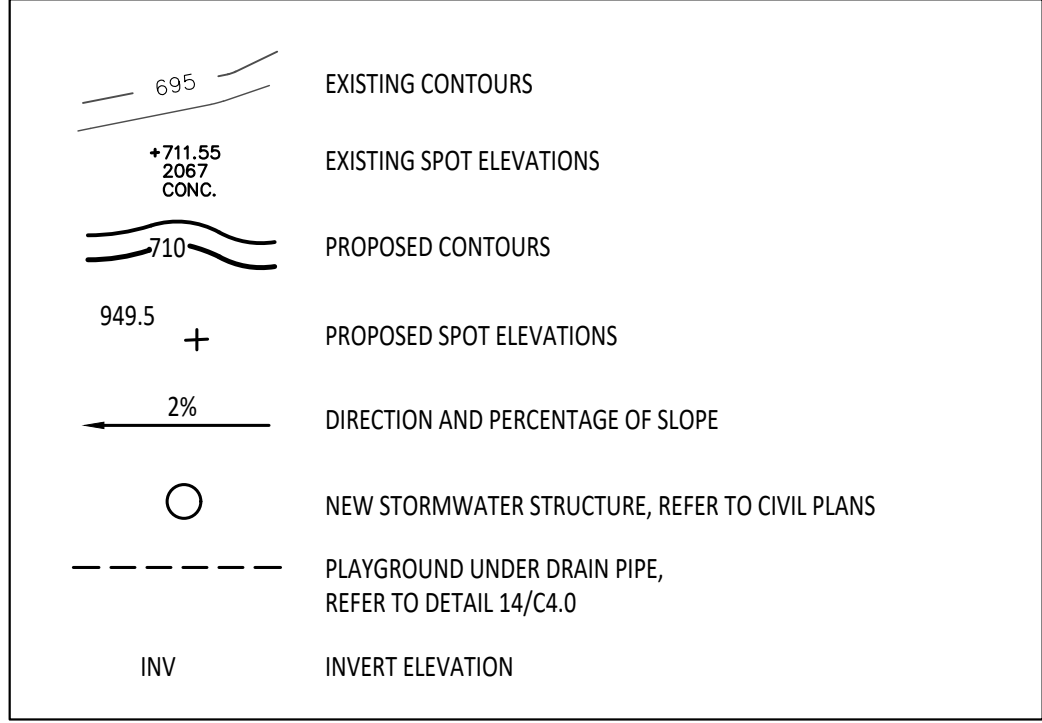
BARRIER-FREE NOTES

BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE.
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE.
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

- GRADING NOTES:**
1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN, 48326, (248)689-9090.
 2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
 3. ALL NEW PAVEMENTS AND TURF AREAS ARE INTENDED TO DRAIN FREELY WITH NO PONDING. IF THIS CANNOT BE ACHIEVED USING THE PROPOSED GRADES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
 4. ALL NEW PAVEMENT ELEVATIONS AT EXTERIOR DOORS SHALL MATCH EXISTING FINISH FLOOR ELEVATIONS, TYPICAL.
 5. ADJUST TOP OF EXISTING MANHOLES, CATCH BASINS, VAULT COVERS, ETC. TO NEW FINISH GRADE AS REQUIRED.
 6. SEE SITE CIVIL PLANS FOR ALL ADDITIONAL SITE UTILITY DEMOLITION AND CONSTRUCTION.
 7. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.

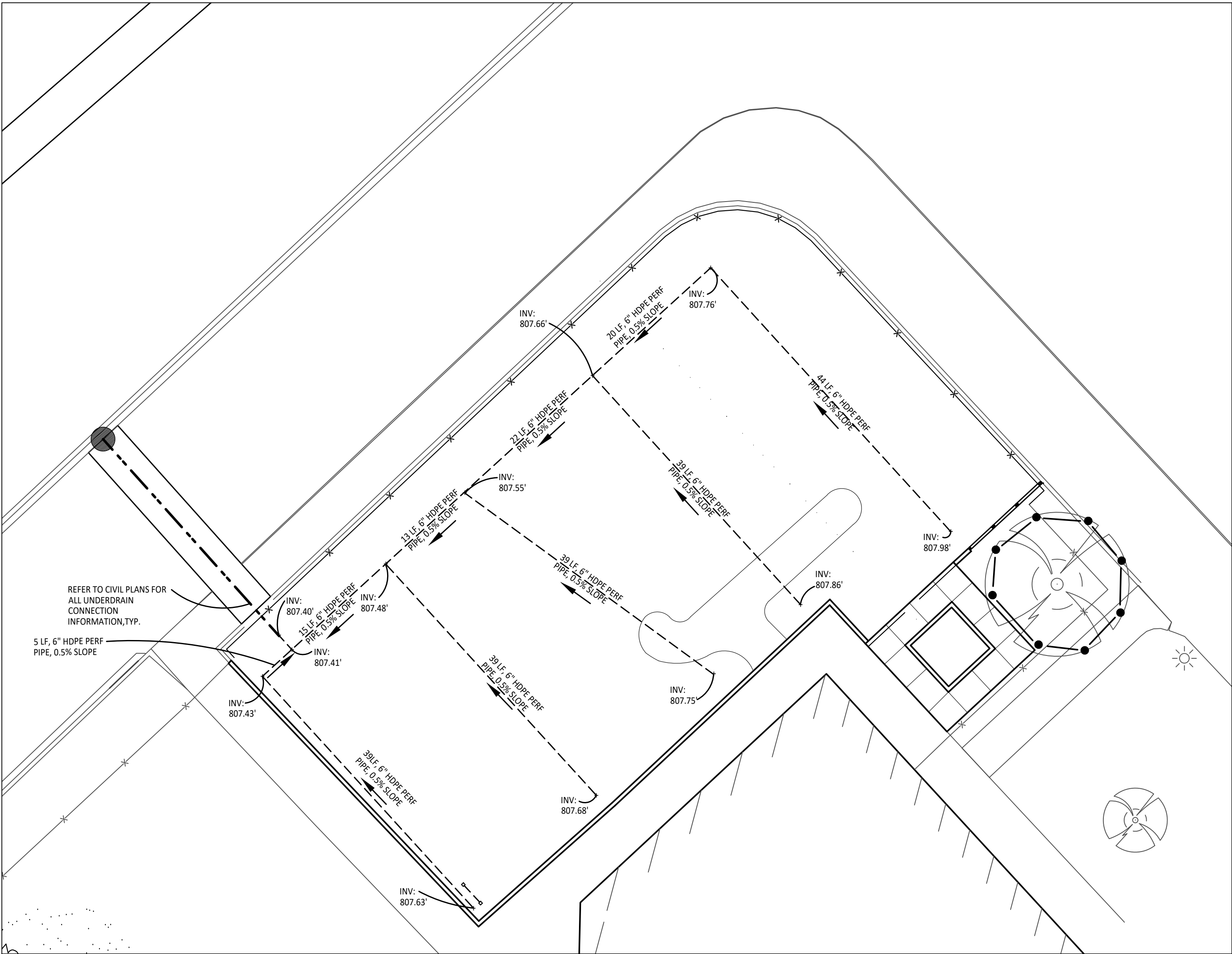
PROPOSED FEATURES LEGEND:



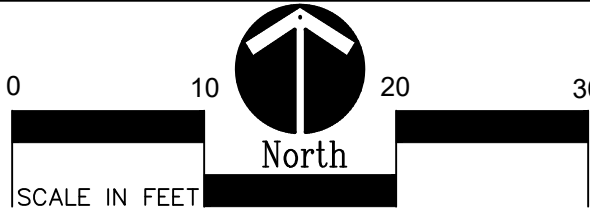
CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:

- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
- * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
- * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
- * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.



2 Playground Drainage Enlargement Plan - Kindergarten Play Area
1" = 10'-0"



TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0023
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE

**Playground Drainage
Enlargement Plan**

ISSUE DATES

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: DID

CHECKED: DID

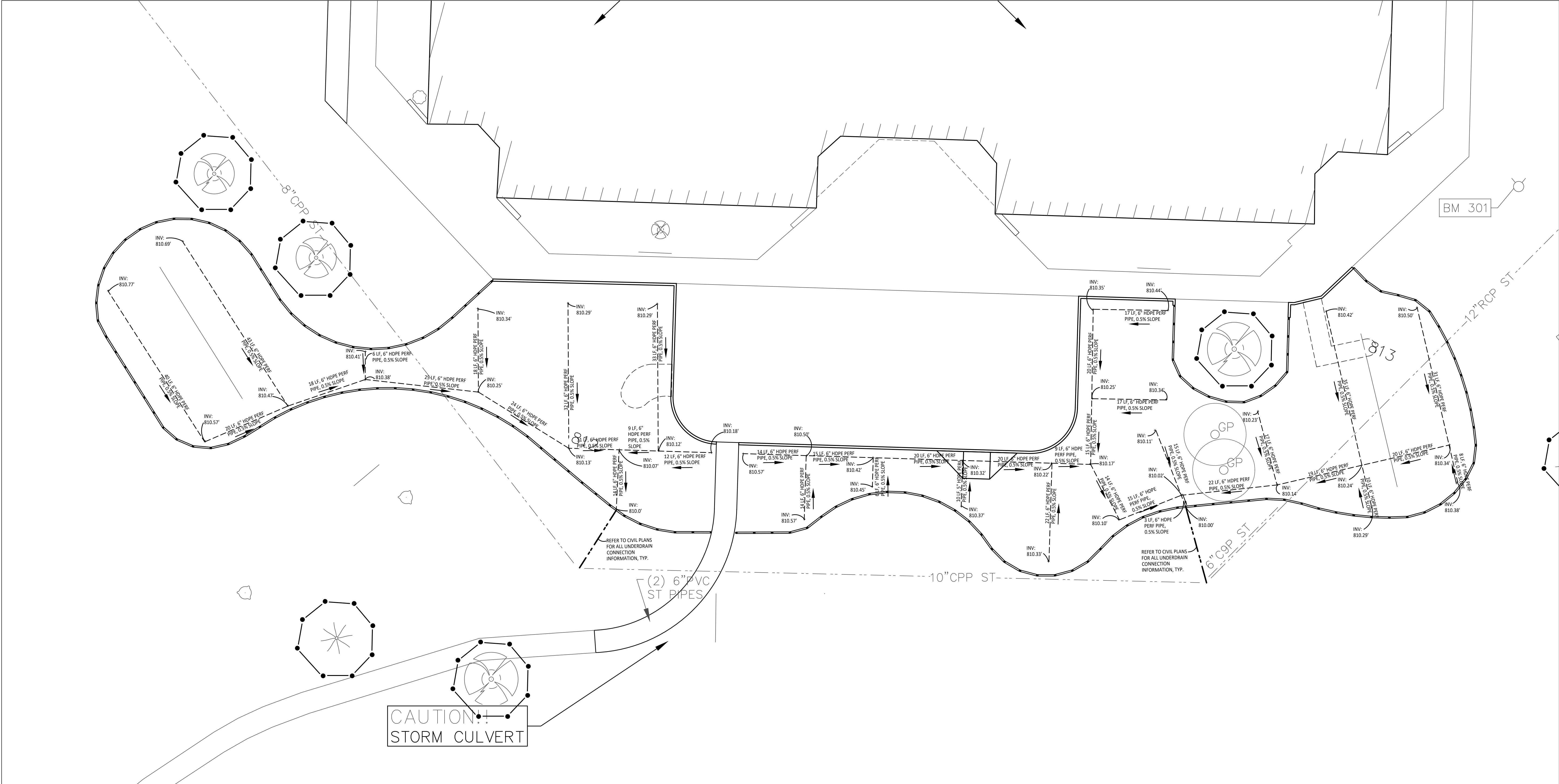
APPROVED: DID

PROJECT NO.

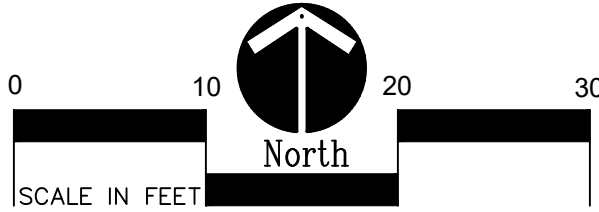
22089B

DRAWING NO.

C3.1



1 Playground Drainage Enlargement Plan - Upper Elementary Play Area
1" = 10'-0"



CONTRACTOR COORDINATION NOTES:

SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH OTHER AND WITH CONSTRUCTION MANAGER. THE INSTALLATION PROCESS FOR THE PLAYGROUND SAFETY SURFACING SHOULD BE AS FOLLOWS:

- * SITE CONTRACTOR TO EXCAVATE AREA AS SHOWN ON CONSTRUCTION DOCUMENTS.
- * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR TO USE LAYOUT SERVICES FROM CADD FILES FOR INSTALLATION TO ENSURE THAT THE UNDERDRAINS ARE INSTALLED IN THE CORRECT LOCATIONS.
- * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND FOOTINGS FOR ALL EQUIPMENT.
- * THE SITE CONTRACTOR WILL THEN INSTALL THE DRAINAGE AGGREGATE, TAKING CARE TO NOT DAMAGE THE POSTS OR POWDERCOATING OF THE PLAY EQUIPMENT. THE SITE CONTRACTOR WILL ALSO INSTALL THE ADDITIONAL ENGINEERED FILL FOR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR MUST COORDINATE THE DEPTHS WITH THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTORS.
- * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFETY SURFACING.

GENERAL EARTHWORK NOTE:

CUTS AND FILLS AT THIS SITE MAY OR MAY NOT BALANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIRED EARTHWORK VOLUMES BASED ON THE GRADING PLAN SHOWN. IF FILL IS REQUIRED, THE CONTRACTOR SHALL INCLUDE THE REQUIRED VOLUME OF IMPORTED CLASS II SAND IN THE BASE BID PROPOSAL. IF EXCESS SOILS NEED TO BE SPOILED, THE CONTRACTOR SHALL INCLUDE HAULING AND SPOILING SOILS OFF SITE IN THE BASE BID PROPOSAL. NO CONTRACT COST ADJUSTMENTS WILL BE CONSIDERED FOR EARTHWORK REQUIRED TO BALANCE THE SITE.

BARRIER-FREE NOTES

BARrier-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE.
- NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE.
- 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).
- 1:50 (2%) MAXIMUM SLOPE (IN ANY DIRECTION) IN B.F. PARKING AND ACCESS AISLES.

- GRADING NOTES:**
1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN, 48326, (248)689-9090.
 2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
 3. ALL NEW PAVEMENTS AND TURF AREAS ARE INTENDED TO DRAIN FREELY WITH NO PONDING. IF THIS CANNOT BE ACHIEVED USING THE PROPOSED GRADES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
 4. ALL NEW PAVEMENT ELEVATIONS AT EXTERIOR DOORS SHALL MATCH EXISTING FINISH FLOOR ELEVATIONS, TYPICAL.
 5. ADJUST TOP OF EXISTING MANHOLES, CATCH BASINS, VAULT COVERS, ETC. TO NEW FINISH GRADE AS REQUIRED.
 6. SEE SITE CIVIL PLANS FOR ALL ADDITIONAL SITE UTILITY DEMOLITION AND CONSTRUCTION.
 7. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.

PROPOSED FEATURES LEGEND:

	EXISTING CONTOURS
	EXISTING SPOT ELEVATIONS
	PROPOSED CONTOURS
	PROPOSED SPOT ELEVATIONS
	DIRECTION AND PERCENTAGE OF SLOPE
	NEW STORMWATER STRUCTURE, REFER TO CIVIL PLANS
	PLAYGROUND UNDER DRAIN PIPE, REFER TO DETAIL 14/C4.0
	INVERT ELEVATION

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0023
EM • INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

Hamilton Elementary School Playground Remodel Bld Package No.01B

Troy School District
Troy, Michigan

DRAWING TITLE

Playground Drainage Enlargement Plan

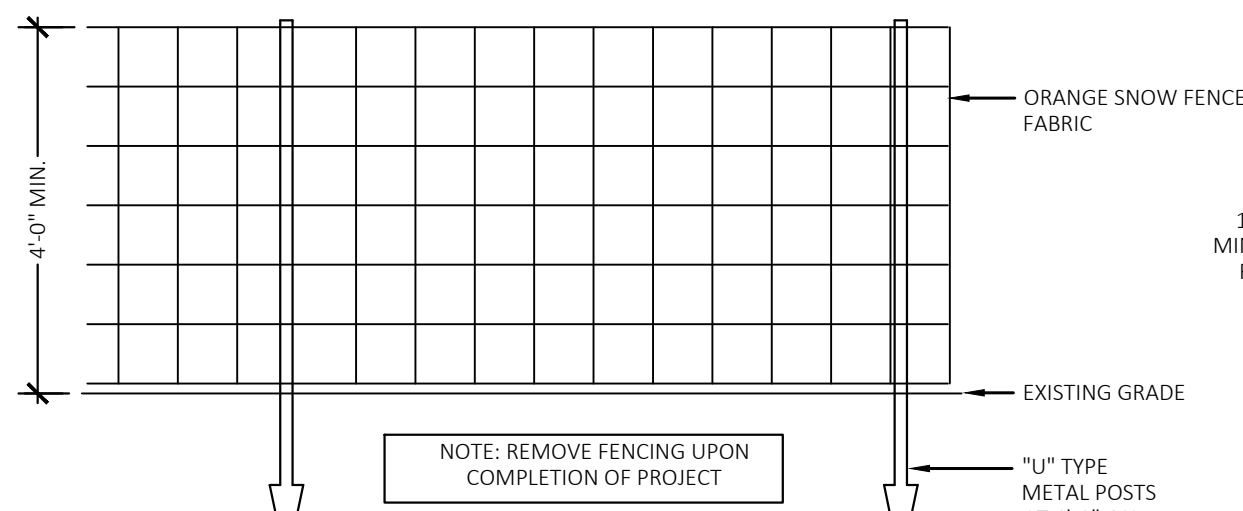
10-03-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN:	DID
CHECKED:	DID
APPROVED:	DID

PROJECT NO.

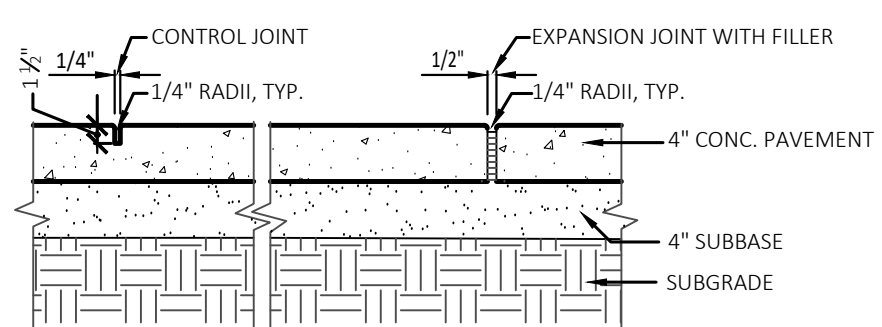
22089B

DRAWING NO.

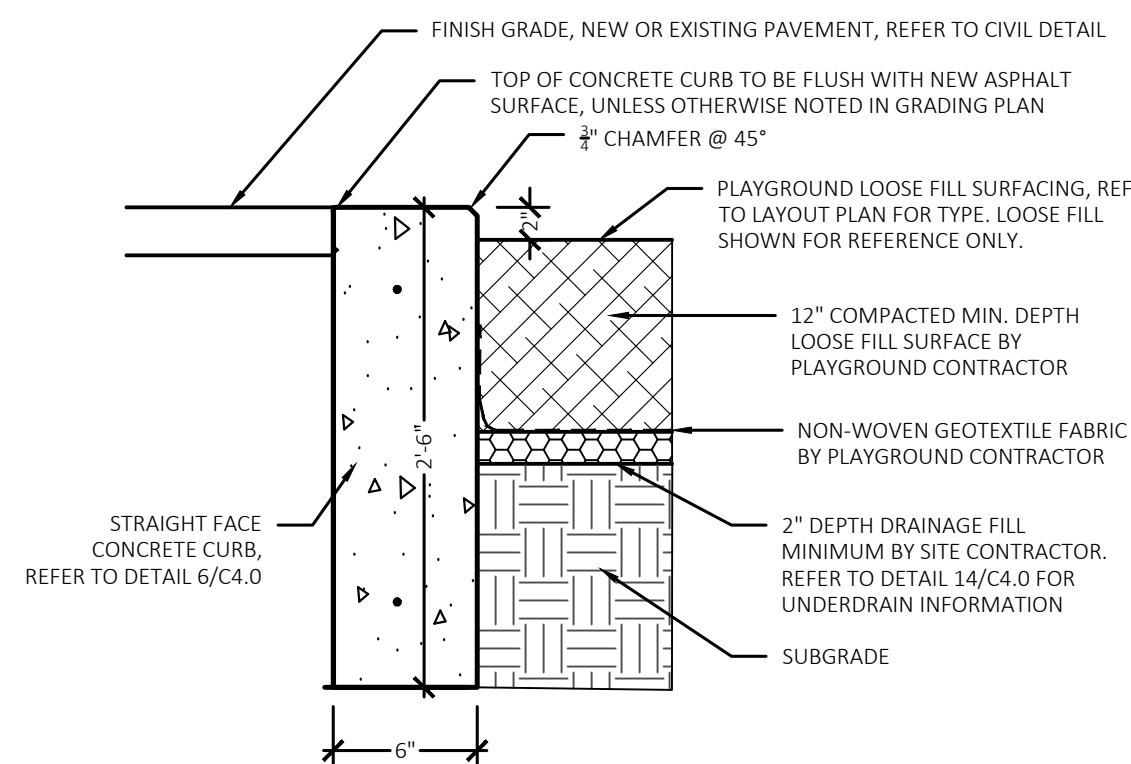
C3.2



1 Tree Protection Fencing Detail
NOT TO SCALE



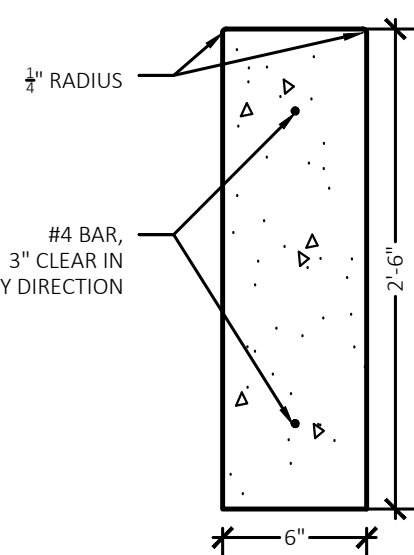
2 Section-Conc. Paving + Jointing
NOT TO SCALE



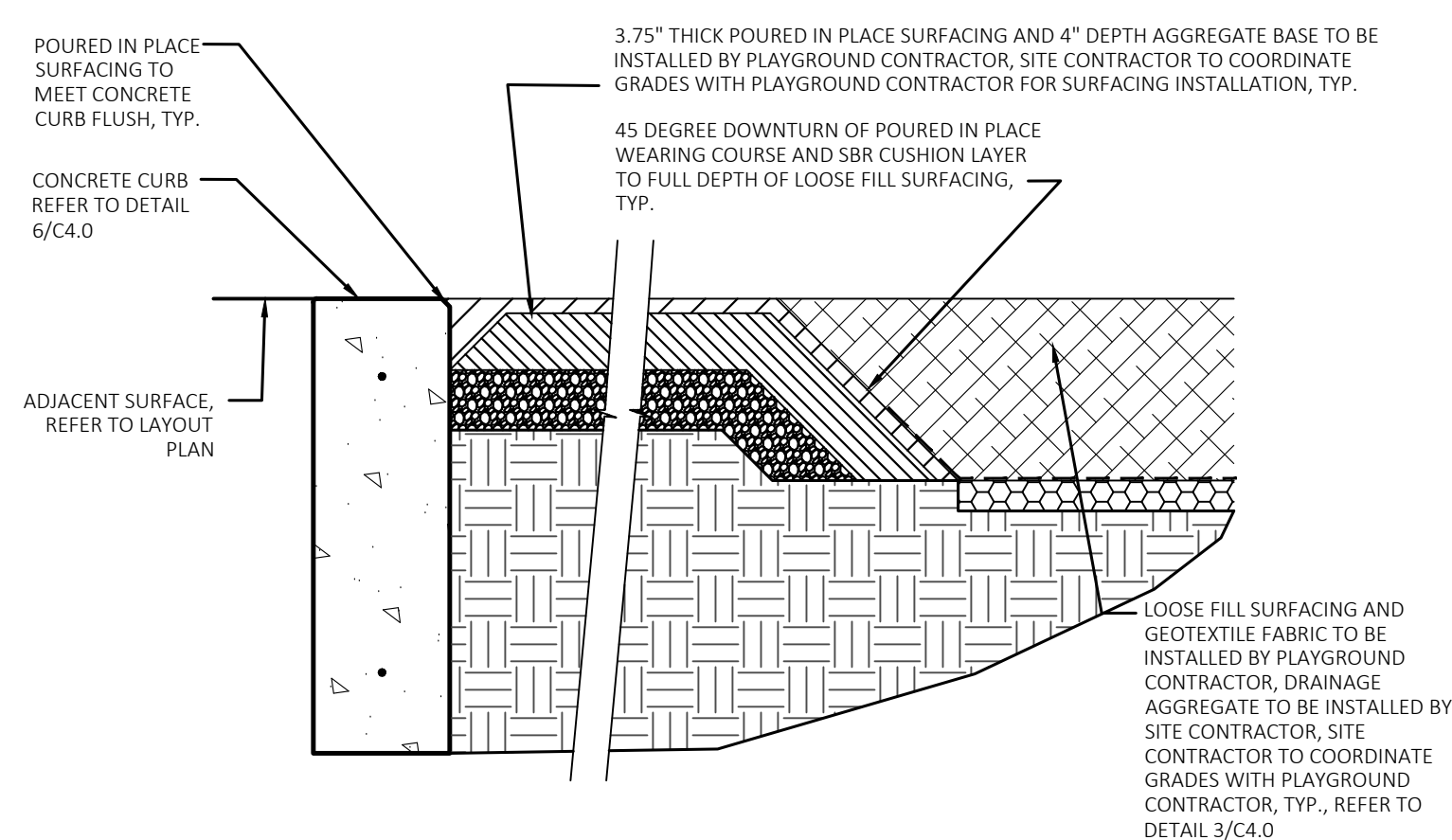
3 New Concrete Curb to Paving Loose Fill Play Surfacing Detail
Not to Scale

4 N/A

5 N/A

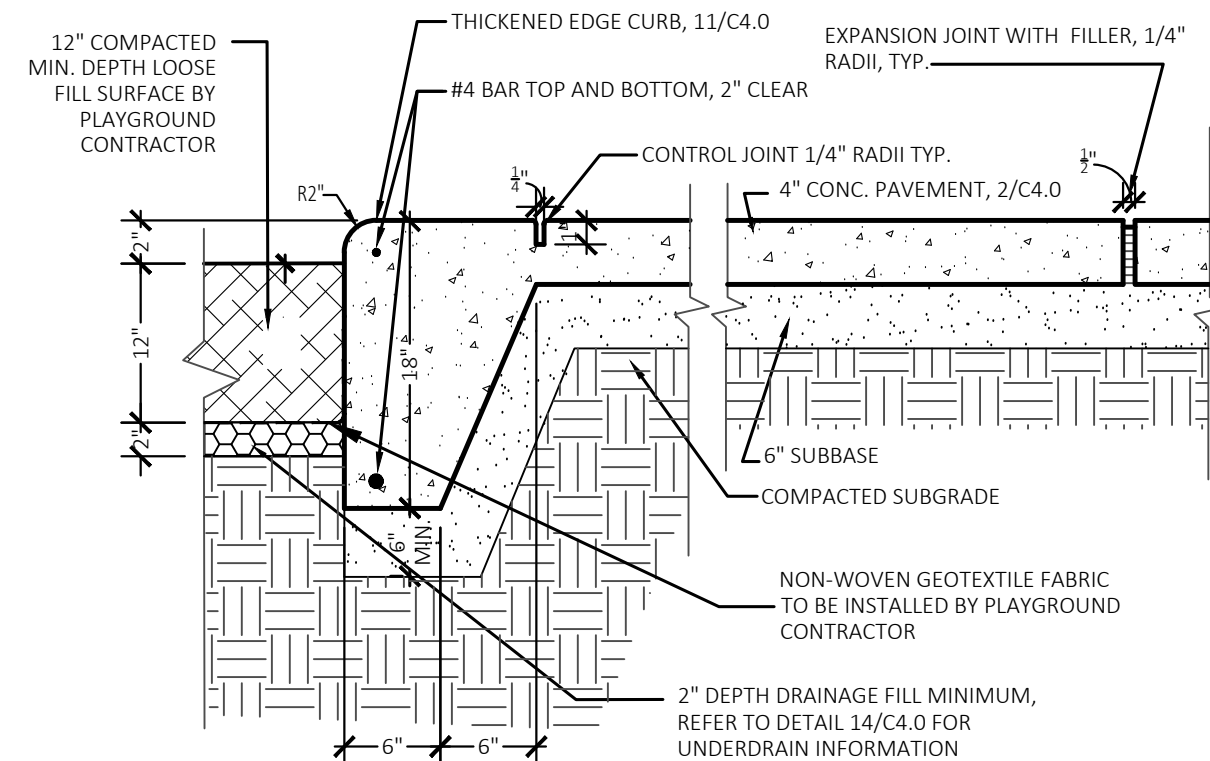


6 Straight Face Concrete Curb Detail
NOT TO SCALE



7 Poured in Place Surfacing Transition to Loose Fill Surfacing and Concrete Curb Detail
NOT TO SCALE

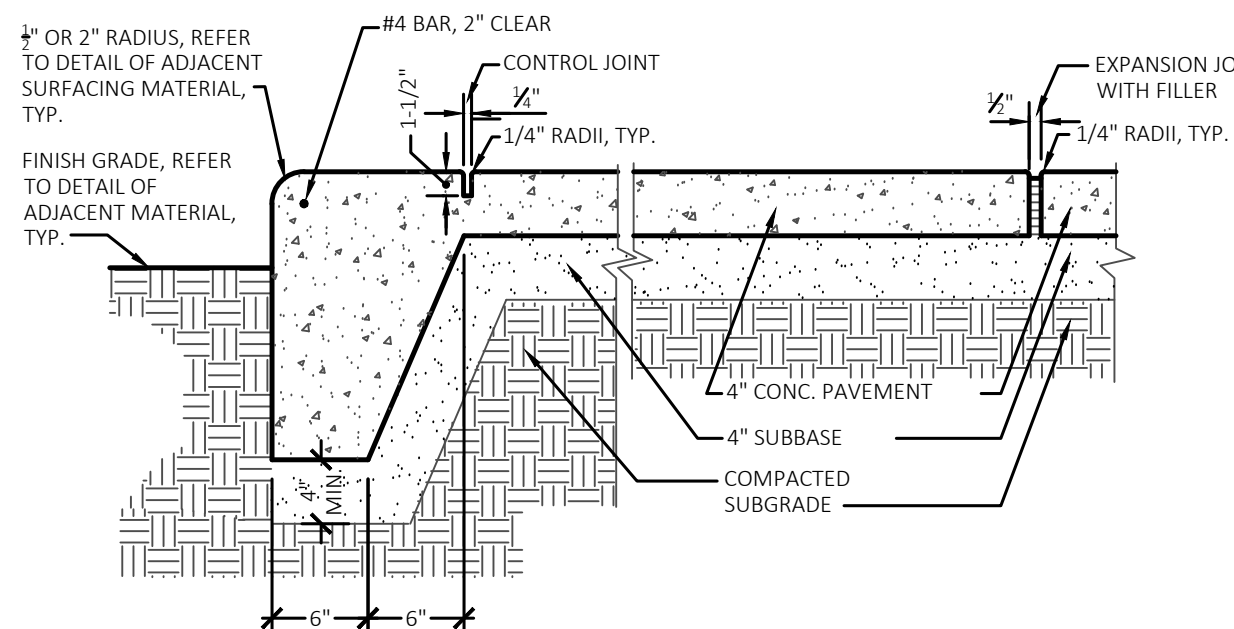
8 N/A



9 Loose Fill Surfacing to Thickened Edge Concrete Detail
NOT TO SCALE

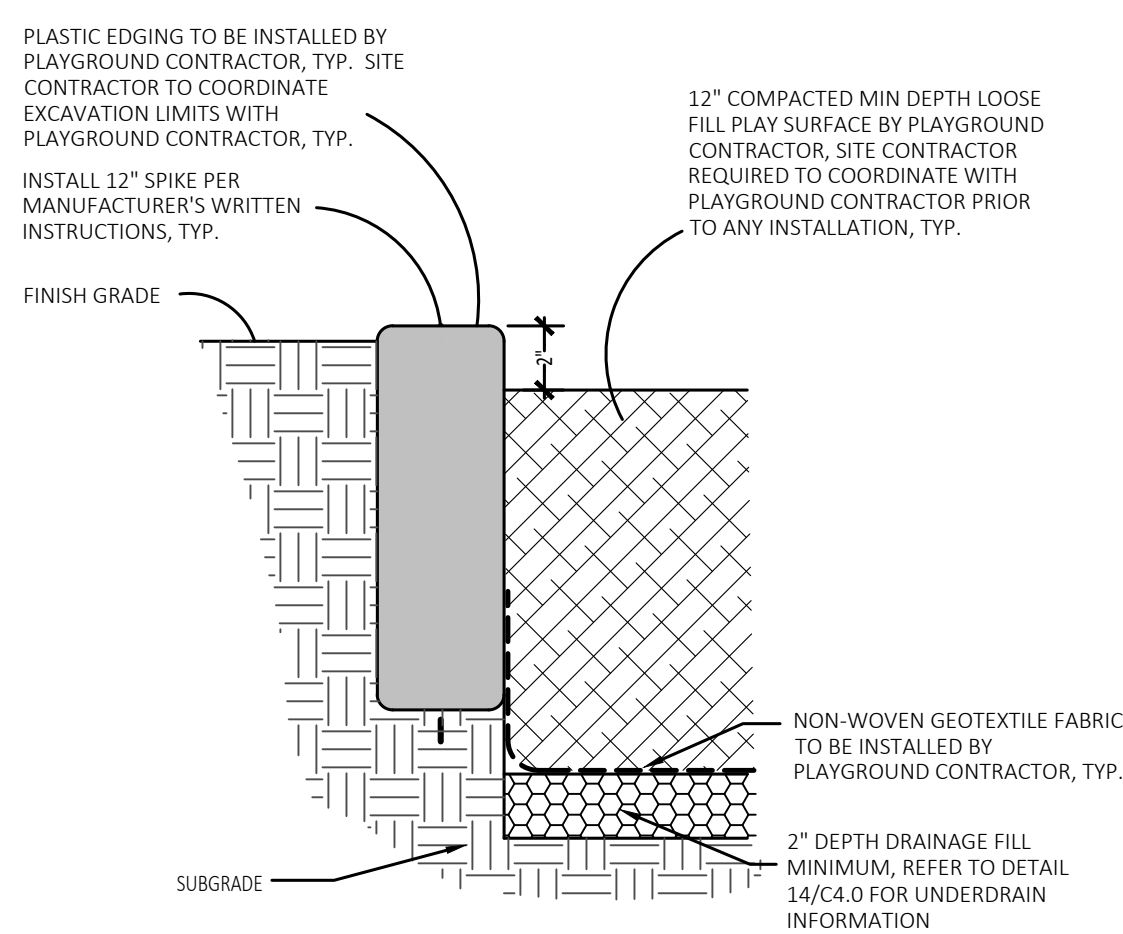


10 Communication Board Detail
Not to Scale

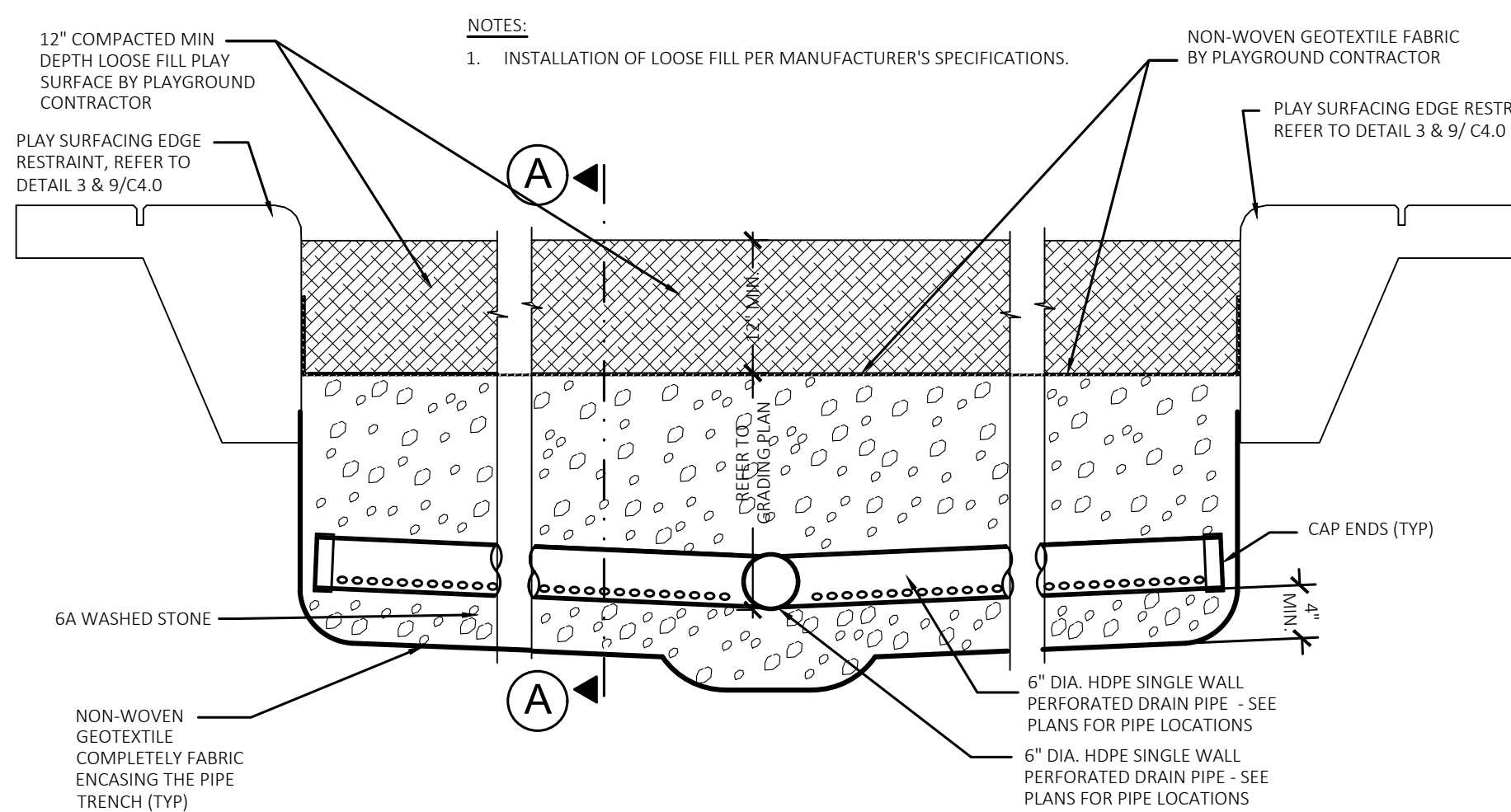


11 Thickened Edge Curb Detail
Not To Scale

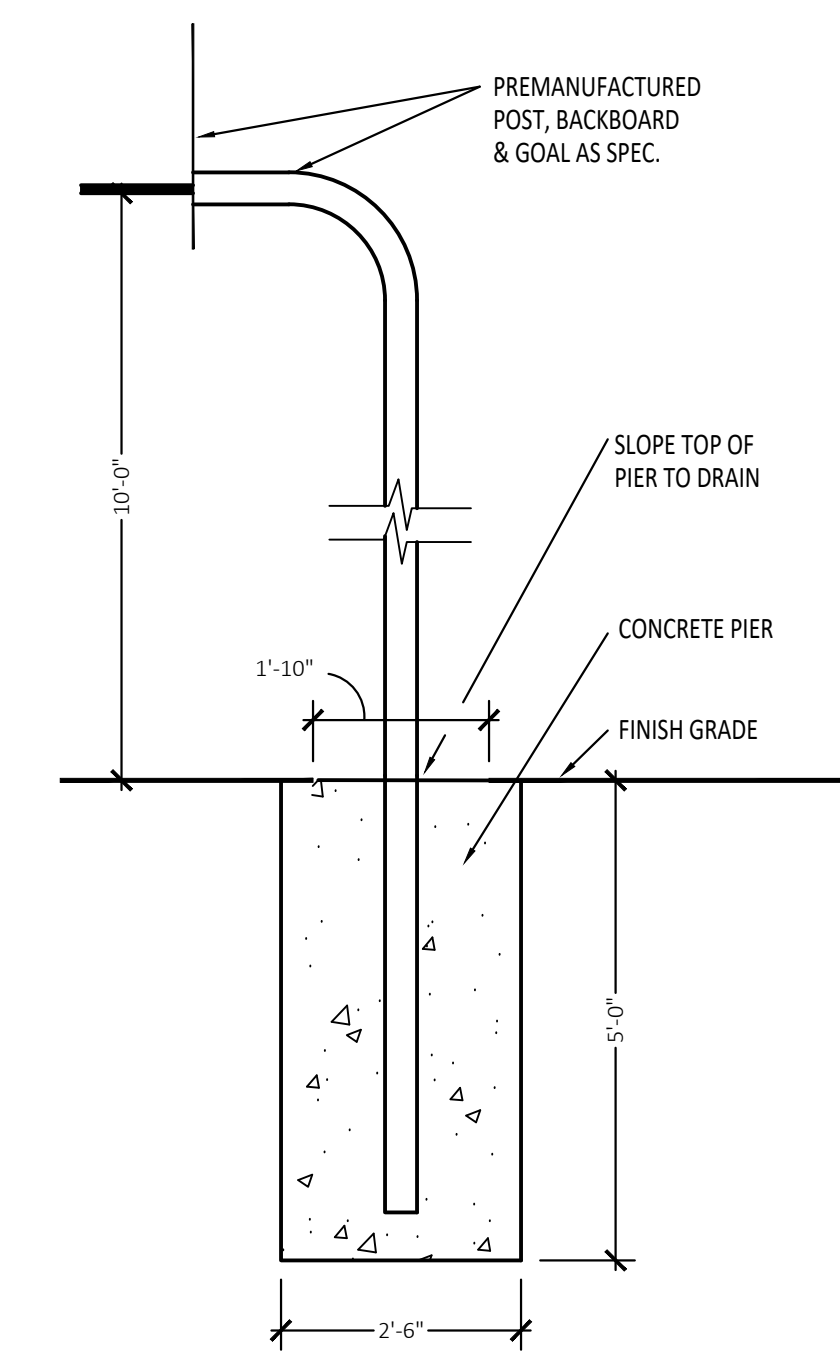
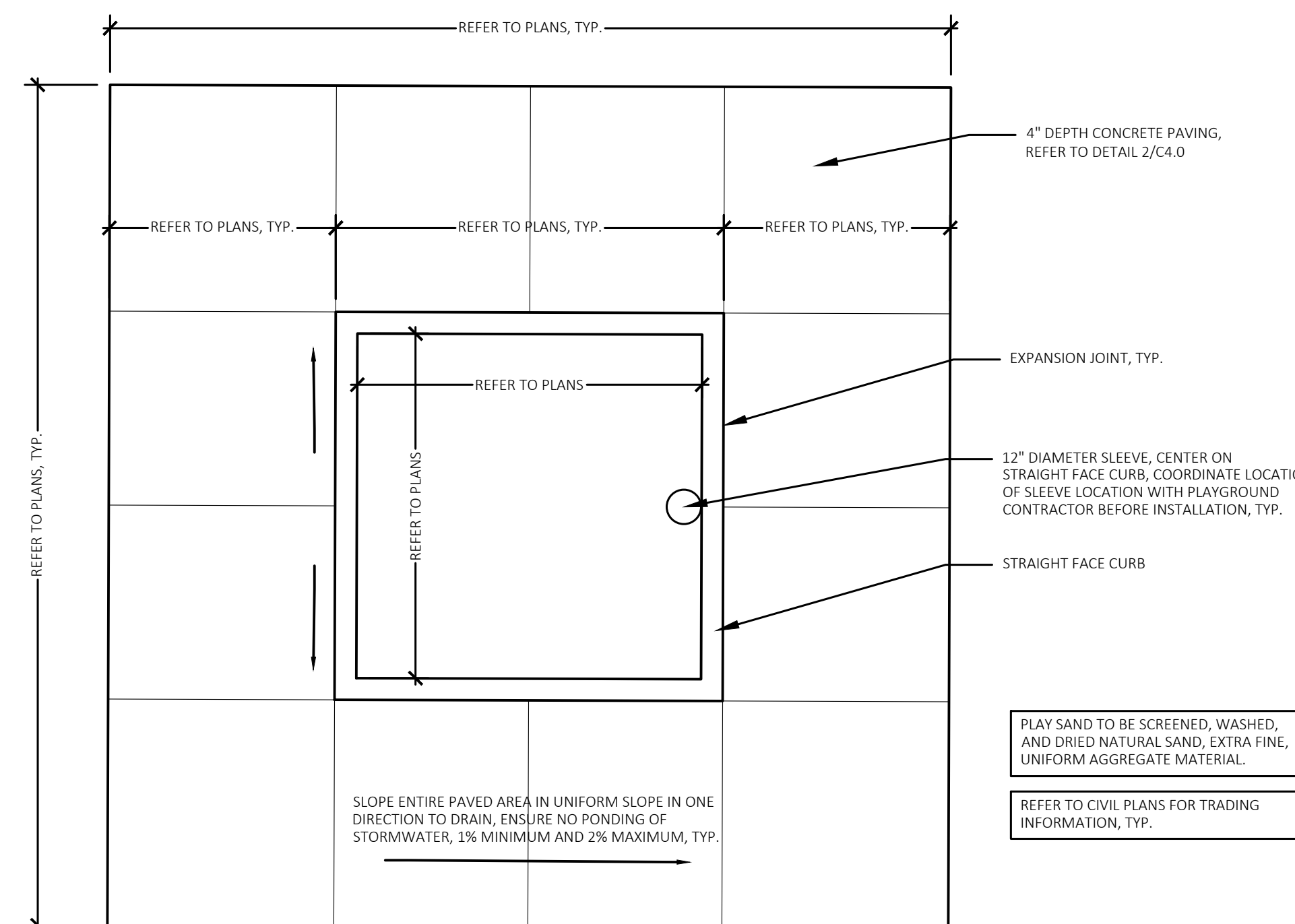
12 Thickened Edge Curb to Plastic Edging Transition Detail
Not to Scale



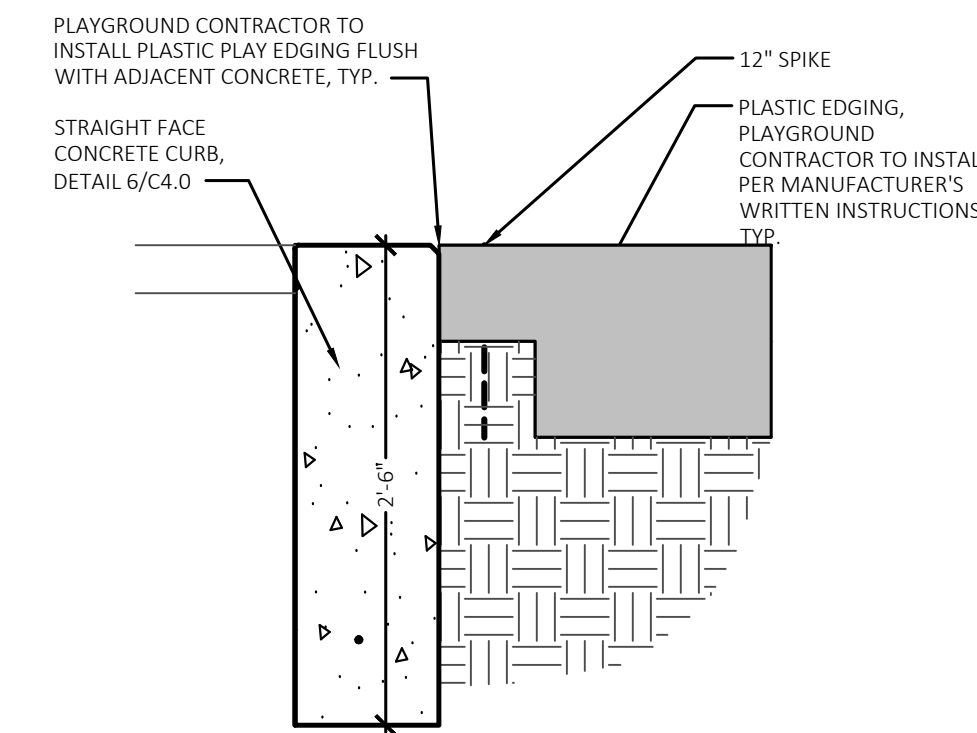
13 Plastic Edging Detail
Not to Scale



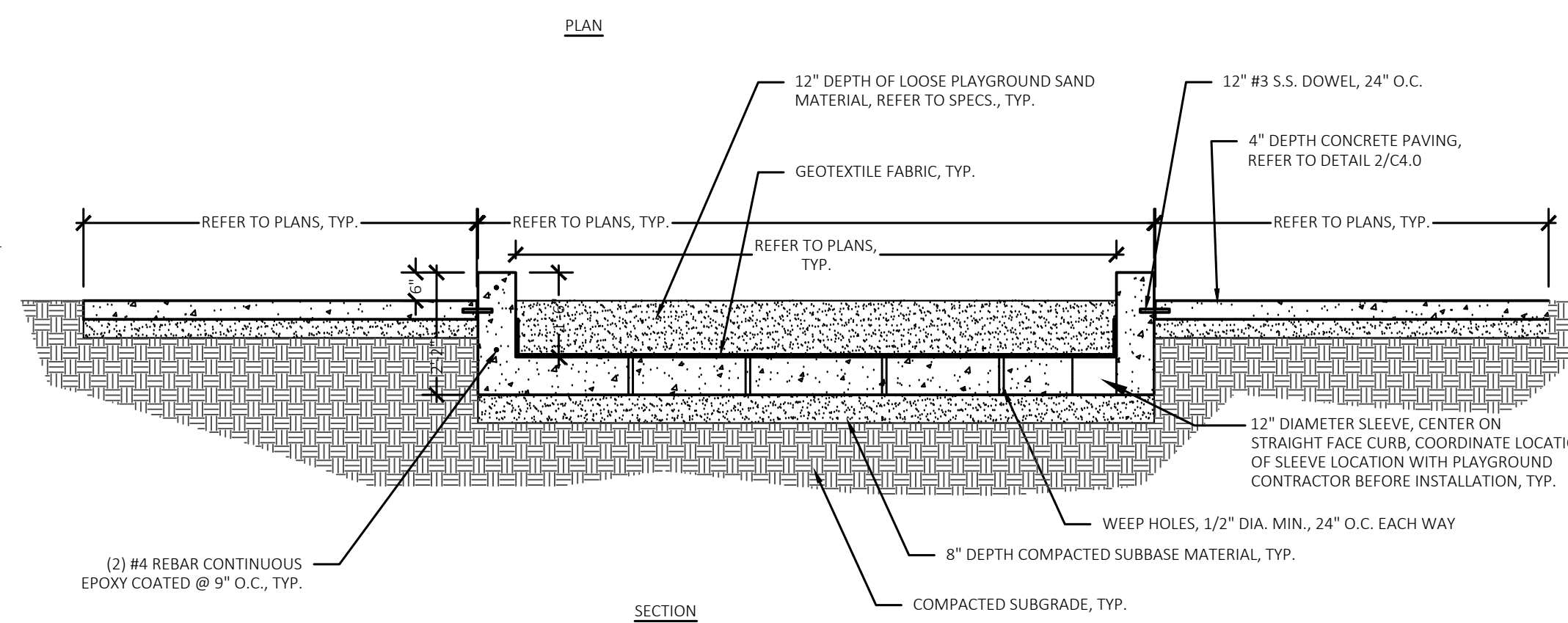
14 Playground Drainage Detail
NOT TO SCALE



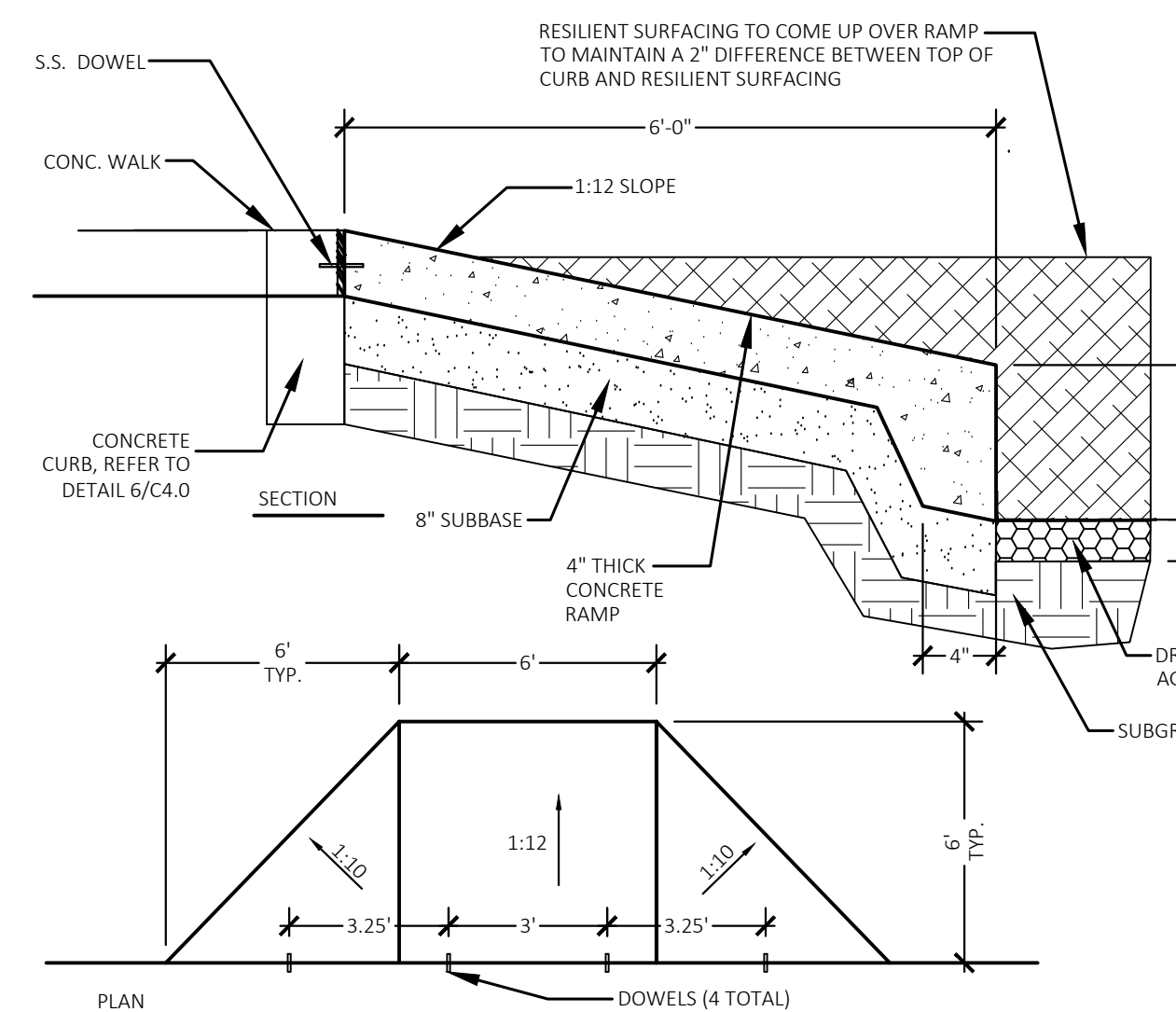
17 "For Reference" Basketball Post Footing Detail
Not to Scale



18 Concrete Curb to Plastic Edging Transition Detail
Not to Scale

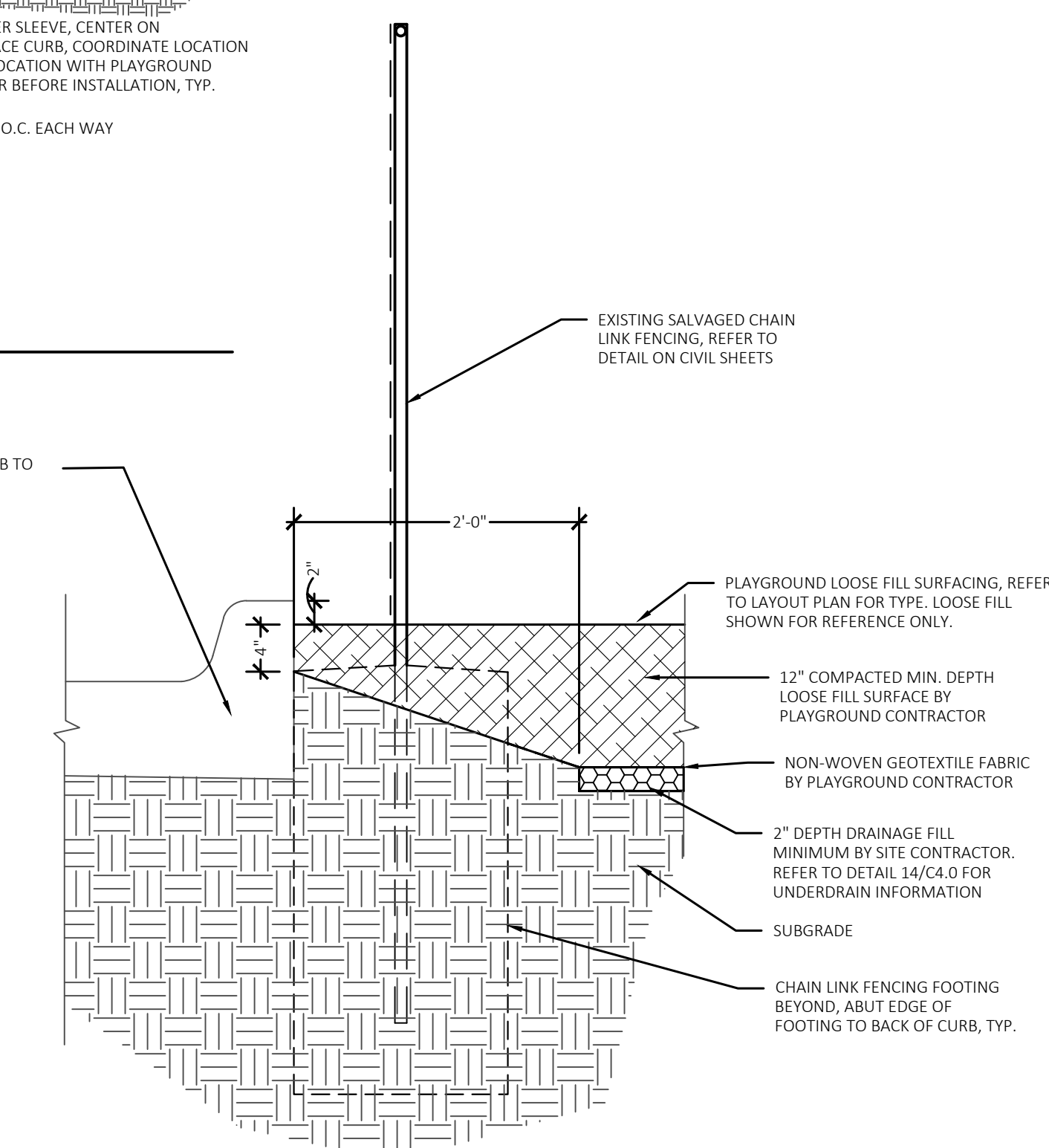


15 Concrete Sand Box Detail
Not to Scale



16 Access Ramp to Play Areas Detail
NOT TO SCALE

19 Loose Fill Surfacing to Existing Curb
NOT TO SCALE



TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0023
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



141 E. Michigan Avenue, Suite 500
Kalamazoo Michigan 49007
Phone (269) 381-3357
Fax (269) 381-2944

Landscape Architecture
Urban Planning
Parks & Recreation
Campus & Institutional Planning
Camp Planning & Design

PROJECT TITLE

**Hamilton
Elementary School
Playground Remodel
Bld Package No.01B**

**Troy School District
Troy, Michigan**

DRAWING TITLE
Details

ISSUE DATES

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

10-03-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: DID

CHECKED: DID

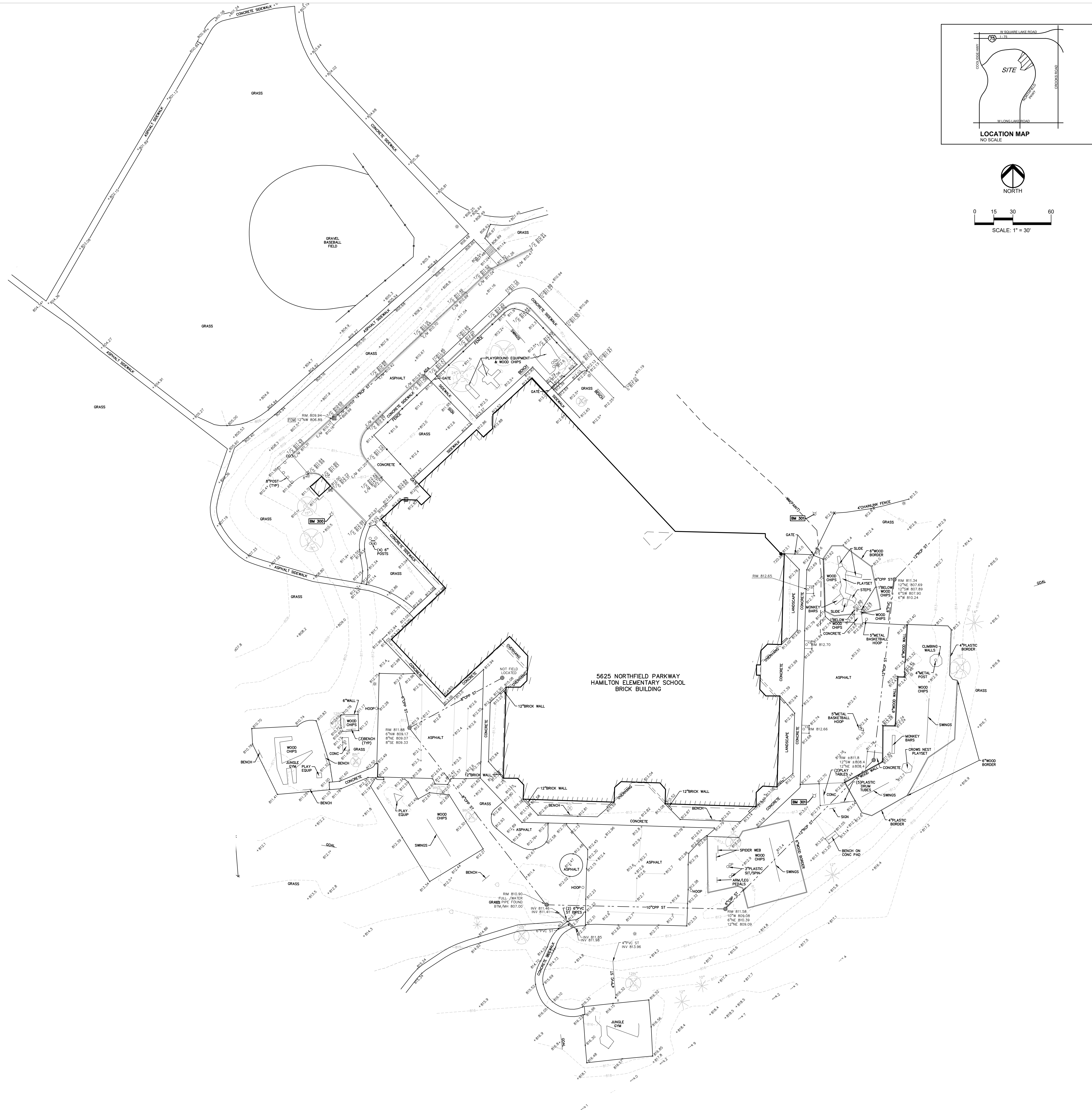
APPROVED: DID

PROJECT NO.

22089B

DRAWING NO.

C4.0



LEGEND:

—OH—ELEC—4V—OH—	EX. OH. ELEC. POLE & GUY WIRE
—UG—CATV—	EX. UG. CABLE TV PEDESTAL
—UG—COMM—	EX. UG. COMMUNICATION LINE. PEDESTAL & MANHOLE
—UG—ELEC—ELEC—	EX. UG. ELEC. MANHOLE, METER & HANDHOLE
—GAS—	EX. GAS LINE
⊗ ⊗	EX. GAS VALVE & GAS LINE MARKER
⊗ ⊗	EX. TRANSFORMER & IRRIGATION VALVE
⊗	EX. WATER MAIN
⊗ ⊗	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
⊗ ⊗	EX. WATER VALVE BOX & SHUTOFF
⊗	EX. SANITARY SEWER
⊗	EX. SANITARY CLEANOUT & MANHOLE
⊗	EX. COMBINED SEWER MANHOLE
⊗	EX. STORM SEWER
⊗	EX. CLEANOUT & BREEZE
⊗ ⊗	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
⊗ ⊗	EX. HARBANA & ROOF DRAIN
⊗	EX. UNIDENTIFIED STRUCTURE
⊗	EX. MAILBOX, SIGN & LIGHTPOLE
⊗	EX. FENCE
⊗	EX. GUARD RAIL
⊗	EX. SPOT ELEVATION
⊗	EX. CONTOUR
⊗	EX. WETLAND
⊗ ⊗	IRON FOUND. / SET
⊗ ⊗	NAIL FOUND. / NAIL & CAP SET
⊗ ⊗	BRASS PLUG SET
⊗ ⊗	MUONIMENT FOUND. / SET
⊗ ⊗	SECTION CORNER FOUND
⊗ ⊗	RECORDED / (MEASURED) / CALCULATED

REFERENCE DRAWINGS:	
WATER MAIN	"TOPOGRAPHIC SURVEY", PEA GROUP, PROJECT NO. 12144, DATED 1-19-17
STORM SEWER	"TOPOGRAPHIC SURVEY", PEA GROUP, PROJECT NO. 12144, DATED 1-19-17

BENCHMARKS:
(GPS DERIVED - NAVD88)

BM #300
DIMPLE ON A HYDRANT ON SOUTHWEST SIDE OF HYDRANT 39' OFF
NORTHWEST MOST BUILDING CORNER AND 138' SOUTHEAST OF 30'
TREE.
ELEV. - 814.69

BM #301
DIMPLE ON A HYDRANT LOCATED ON EAST SIDE OF HYDRANT 30.3'
OFF SOUTHEAST CORNER OF BUILDING AND 108' OFF SOUTH FENCE
PERPENDICULAR.
ELEV. - 815.68

FLOODPLAIN:

BY GRAPHICAL PLOTTING, THE SUBJECT PARCEL LIES WITHIN "AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN" (ZONE X) PER FEMA FLOOD INSURANCE RATE MAP 26125C-0531F, EFFECTIVE SEPTEMBER 29, 2006.



REGISTRATION SEAL

CONSULTANT

PEA
GROUP

PROJECT TITLE
**Hamilton
Elementary School**
5625 NORTHFIELD PARKWAY

Playground Remodel Bid Package No.01B

Troy School District
Troy, Michigan

DRAWING TITLE
Topographic Survey

ISSUE DATES

10-03-2024	CONSTRUCTION DOCUMENTS
09-10-2024	OWNER REVIEW
08-21-2024	INTERNAL COORDINATION
07-24-2024	DESIGN DEVELOPMENT

DATE: ISSUED FOR

DRAWN JG

CHECKED **JM**

APPROVED TD

PROJECT NO.

22089B

DRAWING NO.

CE-2.1.0



CONSULTANT

t: 844.813.2949
www.peagroup.com

Playground Remodel Bid Package No.01B

Troy School District
Troy, Michigan

DRAWING TITLE
Dimension & Paving Plan

ISSUE DATES

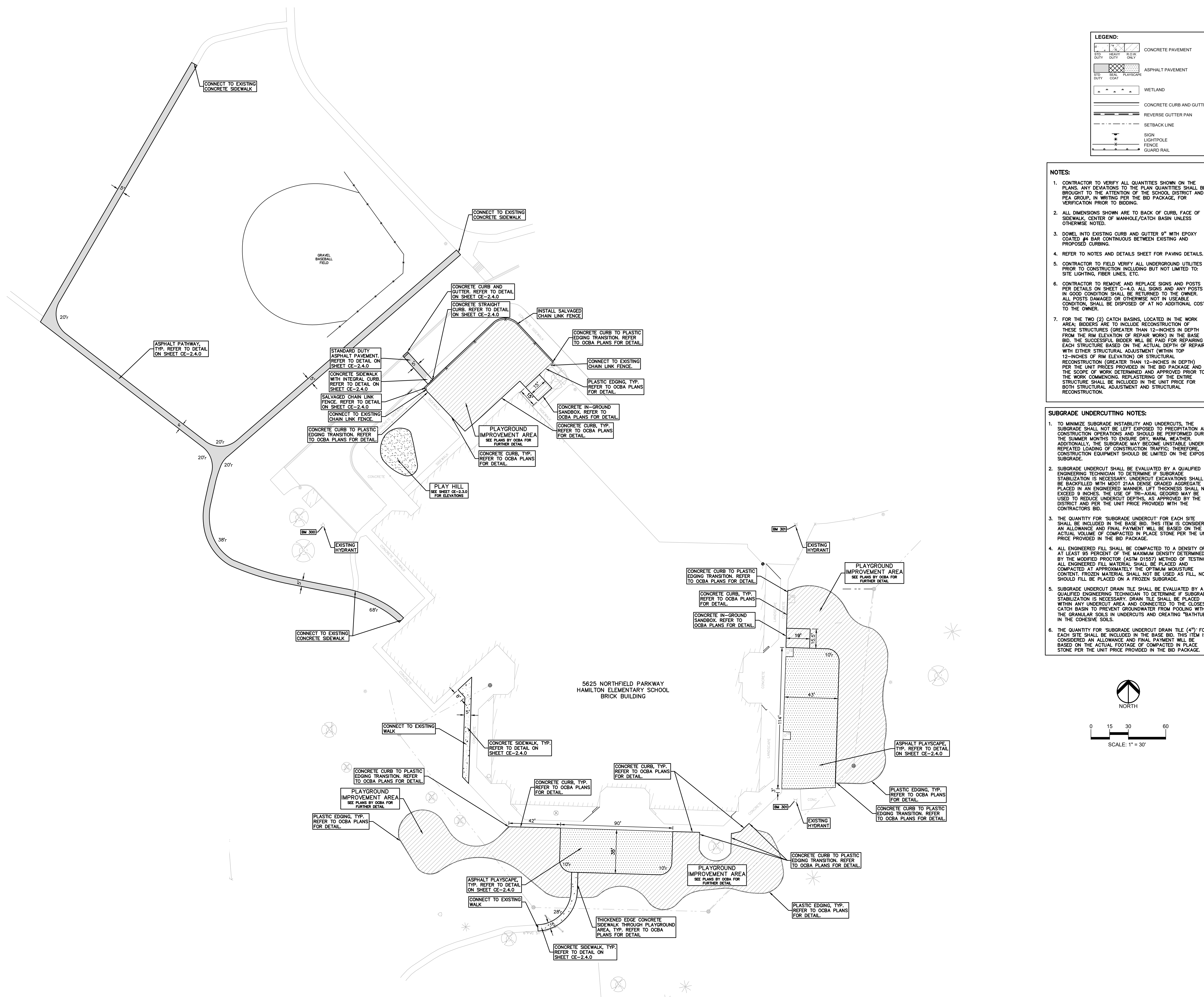
10-03-2024	CONSTRUCTION DOCUMENTS
09-10-2024	OWNER REVIEW
08-21-2024	INTERNAL COORDINATION
07-24-2024	DESIGN DEVELOPMENT
DATE:	ISSUED FOR:
DRAWN	JG
CHECKED	JW
APPROVED	TD

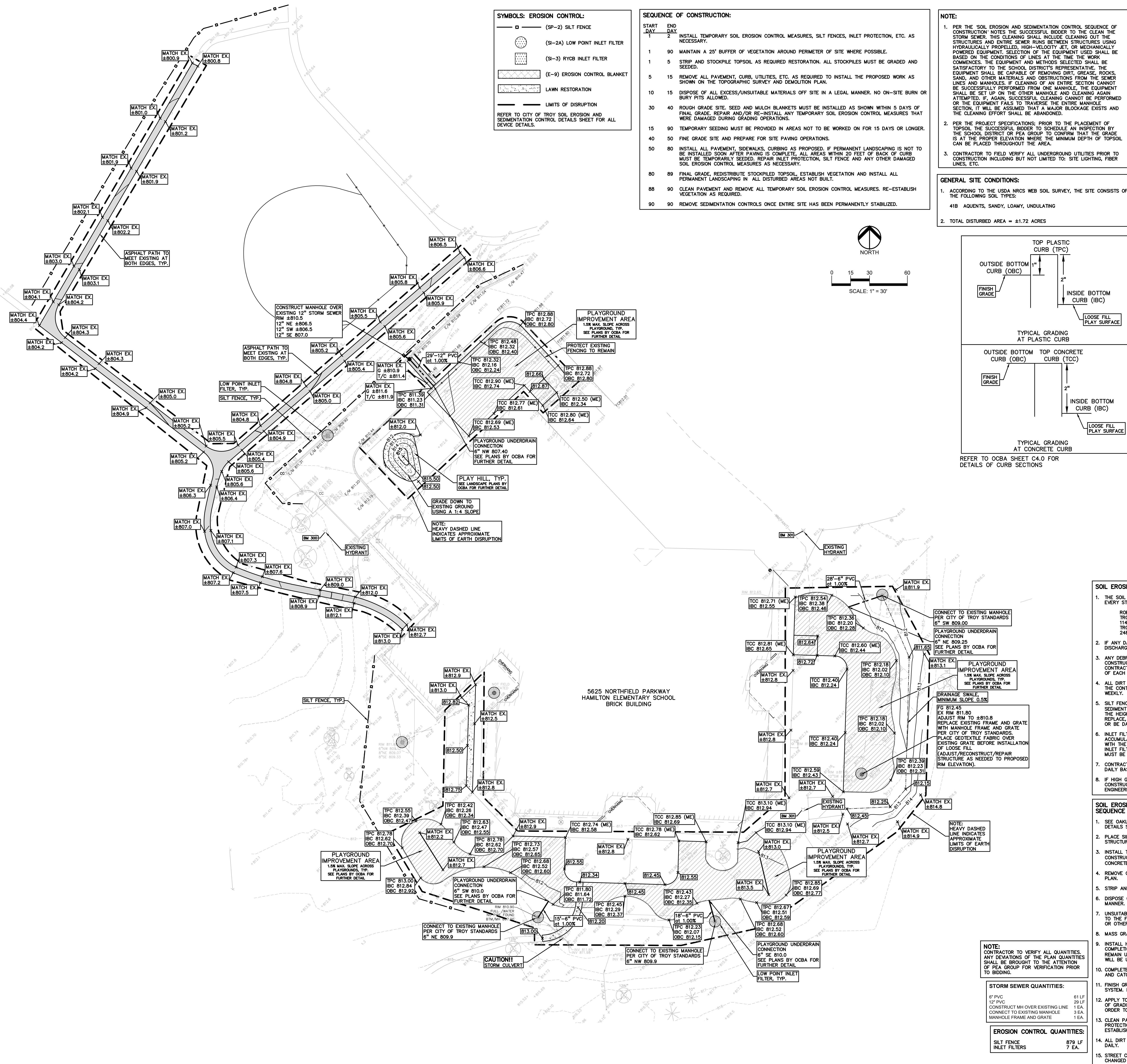
PROJECT NO.

22089B

DRAWING NO.

CE-2.2.0





UTILITY LEGEND:	
	EX. CH. ELEC. POLE & GUY WIRE
	EX. U.G. CABLE TV & PEDESTAL
	EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
	EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
	EX. GAS LINE
	EX. GAS VALVE & GAS LINE MARKER
	EX. TRANSFORMER & IRRIGATION VALVE
	EX. WATER MAIN
	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
	EX. WATER VALVE BOX & SHUTOFF
	EX. SANITARY SEWER
	EX. SANITARY CLEANOUT & MANHOLE
	EX. COMBINED SEWER MANHOLE
	EX. STORM SEWER
	EX. CLEANOUT & MANHOLE
	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
	EX. YARD DRAIN & ROOF DRAIN
	EX. UNIDENTIFIED STRUCTURE
	PROPOSED WATER MAIN
	PROPOSED HYDRANT AND GATE VALVE
	PROPOSED TAPPING SLEEVE, VALVE & WELL
	PROPOSED POST INDICATOR VALVE
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY CLEANOUT & MANHOLE
	PROPOSED STORM SEWER
	PROPOSED STORM SEWER CLEANOUT & MANHOLE
	PROPOSED CATCH BASIN, INLET & YARD DRAIN

BENCHMARKS:	
(GPS DERIVED - NAVD83)	
BM #300	IMPILE ON A HYDRANT ON SOUTHWEST SIDE OF HYDRANT 39' OFF NORTHWEST MOST BUILDING CORNER AND 136' SOUTHEAST OF 30' TREE. ELEV. - 814.69
BM #301	IMPILE ON A HYDRANT LOCATED ON EAST SIDE OF HYDRANT 30' OFF SOUTHEAST CORNER OF BUILDING AND 108' OFF SOUTH FENCE, PERPENDICULAR. ELEV. - 815.69

GRADING LEGEND:	
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED REVERSE GUTTER PAN
	PROPOSED RIDGE LINE
	PROPOSED SWALE/DITCH

ABBREVIATIONS	
T/C = TOP OF CURB	G = GUTTER GRADE
T/P = TOP OF PAVEMENT	F.G. = FINISH GRADE
T/S = TOP OF SIDEWALK	RM = RIM ELEVATION
T/W = TOP OF WALL	BW = BOTTOM OF WALL
TCC = TOP OF CONCRETE CURB	
TPC = TOP OF PLASTIC CURB	
IBC = INSIDE OF BOTTOM OF CURB	
OBG = OUTSIDE BOTTOM OF CURB	

EARTHWORK BALANCING NOTE:	
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.	

SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:	
1. THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY:	ROB CARSON TROY SCHOOL DISTRICT 1140 RANKIN TROY, OKLAHOMA COUNTY, MICHIGAN 248-823-4361
2. IF ANY DAMAGE HAS OCCURRED AS A RESULT OF STORM WATER DISCHARGE FROM THE SITE, THE FOLLOWING STEPS SHALL BE IMPLEMENTED:	
3. ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.	
4. ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.	
5. SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL. THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.	
6. INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.	
7. CONTRACTOR TO PROVIDE WATER TRUCK TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.	
8. IF HIGH GROUNDWATER IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION A DEWATERING PLAN MUST BE SUBMITTED TO THE CITY ENGINEERING DIVISION FOR REVIEW.	

SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE OF CONSTRUCTION	
1. SEE OKLAHOMA COUNTY W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL SOIL EROSION CONTROL RELATED DETAILS.	
2. PLACE SILT FENCE & INSTALL INLET FILTERS ON EXISTING STORM SEWER STRUCTURES, ACCORDING TO PLANS.	
3. INSTALL TEMPORARY CRUSHED CONCRETE ACCESS DRIVE AT ALL CONSTRUCTION ENTRANCES. (80x24x18\"/>	
4. REMOVE CURB, PAVEMENT, TREES, ETC. AS DIRECTED ON THE DEMOLITION PLAN.	
5. STRIP AND STOCKPILE TOPSOIL FOR RESTORATION REQUIREMENTS.	
6. DISPOSE OF ALL EXCESS, UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO BURN OR BURY PITS ALLOWED.	
7. UNSUITABLE MATERIALS CONSIST OF, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING: CONCRETE, ASPHALT, TREES, BRUSH, STUMPS, ROOTS, OR OTHER MISCELLANEOUS DEBRIS OR TRASH.	
8. MASS GRADE THE SITE IN ACCORDANCE WITH THE PLANS.	
9. INSTALL HYDROSEED AS SHOWN ON THE PLAN WITHIN 5 DAYS OF COMPLETION OF MASS GRADING OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. MINIMUM 3\"/>	
10. COMPLETE ROUGH GRADING OF SITE. PLACE INLET FILTERS AT ALL INLETS AND CATCH BASINS, AS SHOWN.	
11. FINISH GRADE AND PAVE SITE AS PROPOSED TO DRAIN TO STORM SEWER SYSTEM. REPAIR INLET FILTERS AS REQUIRED.	
12. APPLY TOPSOIL, HYDROSEED TO ALL DISTURBED AREAS UPON COMPLETION OF GRADING. THE CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE EXPOSURE OF UNSTABILIZED AREAS.	
13. CLEAN PAVEMENT AND STORM SEWERS. REMOVE, SILT FENCE AND TREE PROTECTION FENCE, AND INLET FILTERS ONCE VEGETATION HAS BEEN ESTABLISHED.	
14. ALL DIRT AND MUD TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY.	
15. STREET CATCH BASINS TO BE PERIODICALLY CLEANED AND FILTER CLOTH CHANGED AND MAINTAINED.	

STORM SEWER QUANTITIES:	
8\"/>	61 LF
12\"/>	29 LF
CONSTRUCT MH OVER EXISTING LINE	1 EA.
CONNECT TO EXISTING MANHOLE	3 EA.
MANHOLE FRAME AND GRATE	1 EA.

EROSION CONTROL QUANTITIES:	
SILT FENCE	879 LF
INLET FILTERS	7 EA.



TMP ARCHITECTURE INC.
1571 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 EX - 248.338.0223
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PEA GROUP
t: 844.813.2949
www.peagroup.com

PROJECT TITLE
Hamilton Elementary School
5625 NORTHFIELD PARKWAY

Playground Remodel Bid Package No.01B

Troy School District
Troy, Michigan

DRAWING TITLE
Grading, Utility & Soil Erosion Control Plan

ISSUE DATAS

10-03-2024	CONSTRUCTION DOCUMENTS
09-10-2024	OWNER REVIEW
08-21-2024	INTERNAL COORDINATION
07-24-2024	DESIGN DEVELOPMENT

DATE: ISSUED FOR:

DRAWN: JG

CHECKED: JW

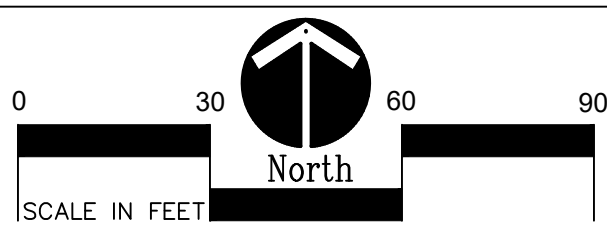
APPROVED: TD

PROJECT NO.

22089B

DRAWING NO.

CE-2.3.0



L1.0