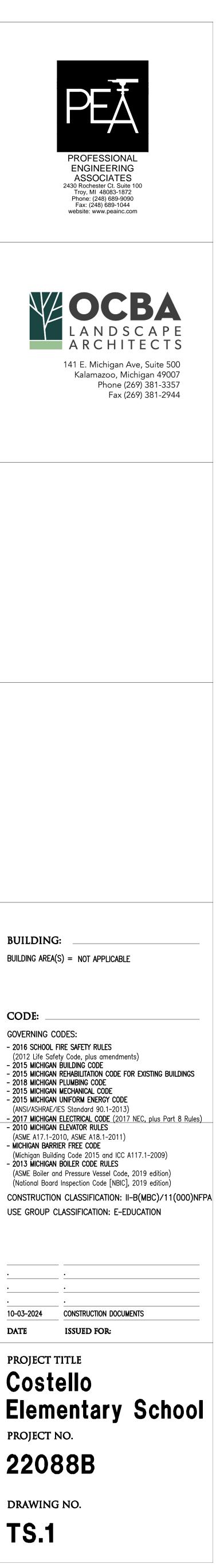
	ARCHITECTURE INC 191 WEST SQUARE LAKE ROAD · BLOOMFIELD HILLS · MICHIGAN · 48302 PH · 248.338.4561 FX · 248.338.0223 EM · INFO © TMP-ARCHITECTURE.COM	
	MENTARY SCHOOL HOOL DISTRICT - TROY,	
	BOND PROGRAM - BID PACKAGE I PROJECT NUMBER 22088B CONSTRUCTION DOCUMENTS	
CONSULTANTS: LIST OF DRAWINGS CIVIL ENGINEER GENERAL INFORMATION PEA GROUP GENERAL INFORMATION CONSULTING ENGREERS ISI COVER SHEET MADDIN HILL, KONCON HAUSS FILST COVER SHEET PLAYGROUND CONSULTANT COBA LANDSCAPE ARCHITECTS CONSULTING ENGREERS ISI COVER SHEET MADDIN HILL, MORGAN HELL, SUB E SOO KAMARE, S	CIVIL (PLAYGROUNDS) CIVIL CFUIL (PLAYGROUND LAND FAM C1 DEMULTION PAM CFUIL CFUIL (PLAYGROUND LAND FAM C2 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C3 PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C4 DEFAUS CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND LAND FAM C4 DEFAUS CFUIL (PLAYGROUND LAND FAM CFUIL (PLAYGROUND FAM CFUIL (PLAYGROUND FAM CFUIL (PLAYGROUND FAM C4 DEFAUS CFUIL (PLAYGROUND FAM CFUIL (PLAYGROUND FAM CFUIL (PLAYGROUND FAM CFUIL (PLAYGROUND FAM C4 DEFAUS CFUIL (PLAYGROUND FAM	PROJECT DATA: LOCATION MAP ELONG LAKE RD Image: Distribution of the second s
LICENSEE'S STATEMENT: REGISTRATION SEALS This Document has been prepared under the supervision of the Architect, as the person in Responsible Charge with the firm of <u>TMP ARCHTECTURE. INC.</u> 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. 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		COPYRIGHT © 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.



ABBREVIATIONS DAMPER DAMPPROOFING HNDCP H.R. DMPR DMPFG HANDICAPPE A.F.F. ABOVE FINISH FLOOR IANDRAIL A.R.F. ABR. ABS. ACC. ACC. PI DEAD LOAD DECIBLE H.BD HDW ABOVE REFERENCE FLOOR HARDBOARD HARDWARE HARDWOOD ACCESS PANEL DMT. PARTN DEMOUNTABLE PARTITION HDR HEADER COUSTIC/ACOUSTICAL HEAT ABSORBING GLASS DEPARTMEN ACOUSTIC TILE DEPR. DEPRESSED HEAT RECOVERY UNIT H.R.U ACOUSTIC INSULATION AC. INSUI ADD. ADDN. ADDNL. ADH. HEATING DDENDU D.E. CO. DETROIT EDISON COMPANY H/V HEATING AND VENTILATING H.V.A.C. HEATING, VENTILATING AND ADHESIVE DIAGRAM AIR CONDITIONING DIAMETER HEATING HOT WATER SUPPLY ADJUSTIB HHWR ADJ. AGGR AGGREGATE HHW HEATING HOT WATER RETURN A.C.B. AIR CIRCUIT BREAKER DIMENSION CONDITIONING **DINING ROOI** HEXAGON A.C.C A.C.U CONDITIONING COMPRESSOR DIRECTORY H.I.D HIGH INTENSITY DISCHARGE A.H.U. DISCONT. DISCONTINUOUS H.P. HIGH POINT AIR HANDLING UNI ALT. ALUM./A ISHWASHER H.PF HIGH PRESSURE DISPENSER HIGH STRENGTH LUMINUM H.S. AMT AMP AMPL. ANCH. A.B. HIGH STRENGTH BOLT HIGH VOLTAGE H.S.B. DISTANCE AMPHERE DISTRIBUTION PANE H.V. DITTO (DO OVER) DIVIDER/DIVISION AMPLIFIEF HWY HIGHWAY ANCHOR HSTWY HOISTWAY ANCHOR BOL H.C. HOLLOW CORE DOOF DOOR OPENING Н.М. HOLLOW META D.O. DR. OP. DOOR OPERATOR HNYCB HONEYCOMB ANG./Lor ANOD APT. ANODIZED ΗK HOOK HORIZONTAL APARTMEN[®] DOUBLE ACTING HORIZ. APPR. APPROX. APPROVED DOUBLE HUNG HORSEPOWER APPROXIMAT DOWEL Hose BIBB ARCH. ARCHITECT/ARCHITECTURA DOWN H.S.P. HOSE STAND PIPE ARCHITECTURAL DRAWING-N DOWNSPOU H.V.0 HOSE VALVE CABINE ASH TRAY HOSP. HOSPITAL HOT WATER AUTOMATIC TELLER MACHINI H.W. ASPH ASSY. DRAIN TILE CONNECTO HWR HOT WATER RETURN HOT WATER SUPPLY SSEMBL DRAWING AUTOMATIC DRINKING FOUNTAIN H.O. HUB OUTLET A.S.R. AUTOMATIC SPRINKLER RISER HYDRANT/HYDRAULIC DRY BULB HYD. D.B. D.S.P. AUXILIARY DRY STAND PIPE HYDROGEN AVERAGE DBWTR DUMBWAITER DUPLICATE D.DR. DUTCH DOOR BACK-TO-BACK BACK FLOW PREVENTER EACH DENTIFICATION EACH FACE B.F.F NCANDESCENT INCAND. B.D.C EACH WAY IN. or " NCH/INCHES BACK DRAFT DAMPER B.F. B.B.R **NCINERATOF** E.I.F.S. BASE BOARD RADIATION EXTERIOR INSULATION FINISH SYS INCLUDE/INCLUDING INCL. B.PL BSM1 NDIRECT WASTE SE PLATE STOMERI ELAST. FLASH. ELASTOMERIC FLASHING NFORMATION ELAST. W.P. ELASTOMERIC WATERPROOFIN BATH ROOM INSIDE DIAMETER ELASTOMERIC SHEET ROOFING INSIDE FACE ELECTRIC/ELECTRICAL INSTALL/INSTALLATIO BACK OF CURB ELEC. INST'L ELECTRICAL CLOSE INSULATE/INSULATION BEDROOM ELEC. CAB. ELECTRICAL CABINET INTERIOR INTER. INTERMEDIATE BENCH MARK LECTRICAL CONTRACTOR ELECTRICAL DRAWING-NO. INVER1 ELECTRICAL PANEL INVERT ELEVATION BETWEEN LECTRIC WATER COOLER ELEC. OPER. ELECTRICALLY OPERATED BITUMINOU BLACK-IRON _EVATION BLOCK ELEVATOR BLOCKING EMERC EMERGENCY BOARD ENCLOSURE BOILER ENGR JANITOR CLOSET ENGINEER BLR. BOILER FEED END-TO-END BLR. H. BOILER HOUS ENTR. ENTRANCE/ENTRY JOIST BOOK SHELVE JUNCTION BOX Both Sides EPDM ETHYLENE PROPYLENE DIENE JUNIOR BOTH WAYS MONOMER BOTTOM EQUAL EQUIPMENT BOTTOM ELEVATIO BLVD BDRY BRKT EQUIV. EQUIVALENT BOUNDARY ESCALATOR BRACKET ESTIMATE EXCAVATED K.P. KICK PLATE EXHAUST DUCT BRICK KILOVOLT AMPHERE BRITISH THERMAL UNIT BRONZE KILOWATT KIP (1000#) btu Brz Bldg EXHAUST FAN KW EXHAUST GRILLE KITCHEN KNEE SPACE E.R. EXIST. EXP. EXP.B. BUILDING EXHAUST REGISTER KIT. BUILDING LIN EXISTING K.D. K.O.P. BUILT-UP ROOFING EXPANSION KNOCK DOWN BULLNOSE BULKHEAD B.N. BLKD EXPANSION BOLT KNOCK-OUT PANEL E.J. EXPL.P EXP'D EXT'N EXT. **EXPANSION JOINT** BULLETIN EXPLOSION PROOF BURGLAR ALARM EXPOSED BUZZER EXTENSION EXTERIOR E.I.F.S. LABEL LABORATORY EXTERIOR INSULATION FINISH LBL. SYSTEM E.H. EXTR. E.S.P. EXTRA HEAVY LADDER LAG BOLT EXTRUDED L.B. CABINET CABINET UNIT HEATER CAPACITY EXTERNAL STATIC PRESSURE CAB. LAMINATE/LAMINATED C.U.H. CAP. CPT C.R.S. CSMT CSWRK CSG LANDING LANDSCAPE DRAWING-NO. CARPET CARPET REDUCER STRIP LARGE LAUNDRY LAVATORY CASMENT LEFT HAND LEFT HAND REVERSE BEVEL FABRICATED/FABRIC ASEWORK L.H.R.B. CASING F/F FACE-TO-FACE C.I. C.I.F. C.I.P. CSTG CAT. NO CAST IRON F. FIN. FACTORY FINISH LGTH ENGT LEVEL LIBRAR CAST IRON FRAME F.C.U. FAN COIL UNIT CAST IRON PIPE/CAST-IN-PLACE F.S. FAR SIDE FASTENER FEEDER CATALOG NUMBER LIGHTPROOF LIGHTING LIGHTING PANEL FEET/FOOT CATCH BASIN LTG FEET PER MINUTE CEILING FPM LIGHTING RECEPTACLE PANEL LIGHTWEIGHT C.D. CLG. HT FENCE FORM BOARD L.R.P. LTWT CEILING DIFFUSE F.BD. EILING HEIGHT CEM. CEM. PLA FIGURE LTWT. CONC. LIGHTWEIGHT CONCRETE FIG. EMENT PLASTER FINISH/FINISHED **_IMESTON** FIN. FLR/F.F. FINISH FLOOR CENTER LINTEL F.T.R. FINNED TUBE RADIATION LIN. DIFF. LINEAR DIFFUSER CENTER-TO-CENTER F.A. FIRE ALARM LINEAR FEET/FOOT F.A.C.P. F. BRK LIQUID LIQUID PROPANE GAS CERAMIC CERAMIC TILI FIRE ALARM CONTROL PANEL FIRE BRICK C.BD. CHAM. CHG. CHAN. CHKD. CHKD. CHWR CHWS CHD CHCUM FIRE DAMPER FIRE EXTINGUISHER CHALKBOARD LIQUID PETROLEUM GAS L.P.G CHAMFER CHANGE LIVE LOAD F.E.C. FIRE EXTINGUISHER CABINET IVING ROOM CHANNEL CHECKERED PLATE LOCATION LOCKER F.H.C. FIRE HOSE CABINET F.H. FIRE HYDRANT LONG LEG HORIZONTAL LONG LEG VERTICAL FIRE LINE FIRE RETARDANT/FIRE RATED CHILLED WATER RETURN F.L. F.R. CHILLED WATER SUPPLY L.L.H. F.R.T.WD FIRE RETARDANT TREATED WOOD L.L.V. LOUVER LOUVER OPENING CIRCUMFERENCE F.V.C. FIRE VALVE CABINET CIR. CIRC C.BR CIRCLE/CIRCULAR FIREPLACE FPRFG. FIXT. FLASH. FHMS FHWS FIREPROOFING LOW POINT LOW PRESSURE CIRCUIT BREAKER FIXTURE L.PR. FLASHING FLAT HEAD MACHINE SCREW LUMBER POUNDS CIVIL DRAWING-NC LBS. or # CLRM C.O. CLR CLR GL CLR W.G FLAT HEAD WOOD SCREW CLASSROOM CLEAN OUT FLEXIBLE CONNECTION FLOOR F.C. FLR FLOOR CLEAN OUT FLOOR DRAIN FLOOR FINISH F.C.O. F.D. CLEAR GLASS CLEAR WIRE GLASS FLR. FIN. FLUOR. FLDG FTG CLOSET CLOSUR FLUORESCENT FOLDING FOOTING FORMBOARD COAT CLOSE MACH. MACHINE MACHINE BOLT MACHINE ROOM OEFFICIEN COLD WATER FM. BD MACH. RM FOUNDATION M.A.U. M.D.P. MAKE-UP AIR UNIT OLUMN FRAME FRAME AND COVER COMPANY MAIN DISTRIBUTION PANEL M.S.B. MAINT. OMPARTMEN FR/COV MAIN SWITCH BOARD FRMG FRZR OMPOSITION MAINTENANCE FRAMING OMPRESSED A FREEZER OMPRESSOR FULL SIZE MFR MANUFACTURER F.S. FURN. FURR. FUT. MARBLE MARK CONCRETE FURNISH/FURNISHED CONCRETE MASONRY UNIT CONDENSING WATER RETURN FURRING/FURRED FUTURE MASONRY M.O. MATL MASONRY OPENING ONDENSING WATER SUPPLY MATERIAL MAXIMUM ONFERENCE MAX. MECHANICAL MECHANICAL DRAWING-NO CONSTRUCTION GAUGE GALLON GALLONS PER HOUR GALLONS PER MINUTE MEDICINE CABINET ONTROL JOINT CONTINUE/CONTINUOUS MEDIUM GAL. GPH GPM MED MEMB. MET. M.D.S. M.E.S. ONTRACTOR MEMBRANE CONTROL PANEL METAL CONVECTOR CONVEYOR GALV. GALV. I. GALVANIZED METAL DIVIDER STRIP GALVANIZED IRON METAL EDGE STRIP CORNER METAL LATH ORNER GUARD GSKT G.V.& B. GASKET GATE VALVE AND BOX M.L.& PLAS. METAL LATH AND PLASTER ORRIDOR/CORRUGATED METAL THRESHOLD OPPER GENERAL GLASS MET. W.P. METALLIC WATERPROOFING GEN'L. MEZZANINE GLAZING GLAZED HOLLOW TILE COUNTERSIN GLZ G.H.T. MDOT MICHIGAN DEPARTMENT OURSE TRANSPORTATION COV. COV. PI C.C.T. CU.FT. GRAB BAR GRADE/GRILLE GRADE BEAM COVER MWK MILLWORK COVER PLATE MINIMUM CUBICAL CURTAIN TRACK MIRROR CUBIC FEET/ CUBIC FO CUBIC FEET PER MINUT GRATING GRID LINE MIRROR AND SHELF MISCELLANEOUS GRANITE GREASE SEPARATOR

GREASE TRAP

GUTTER ELEVATION

GYPSUM GYPSUM BOARD

GROUT

G.F.I.

GYP. GYP.BD.

GROUND FAULT INTERRUPTOR

REG. REGISTER REINF. **REINFORCE/REINFORCING/** REINFORCEMENT REM REMOVE/REMOVABLE REPAIR REP. REQ'D. REQUIRED RESILIENT RETURN RESIL RETURN AIR R.A. RETURN AIR DIFFUSER R.A.D RETURN AIR FAN R.A.F. REVISED/REVISION REV. **REVOLUTIONS PER MINUTE** RPM RISER RIGHT HAND RIGHT HAND REVERSE BEVEL R.H. R.H.R.B. R.O.W. RVT RIGHT OF WAY RIVET ROAD ROLLING STEEL CURTAIN R.S.C. ROOF ROOF CONDUCTOR ROOF DRAIN ROOF HATCH ROOF SUMP ROOF VENTILATOR ROOFING ROOF TOP UNIT R.T.U. ROOM ROUGH OPENING Round Round Head Machine Screw RND or ¢ RHMS RHWS SAN. S.N.D. S.N.R. SCHED. SCN SECT. SERV SHTHG SHT SHT. MET. SH.& R. SHWR S.C.R. SPR. SPKR

SPEC.

spryd Spklr

STAG. ST.STL

STD

STM

STIFF.

STOR.

STR.

STL. PL.

STO. FR.

STRUCT.

S.G.F.T.

SS.D. SS.D.C.

S.STL

SUB. S.A.G.

SUBST

S.A.R.

S.D.

S.F.

MISCELLANEOUS IRON

MOP STRIP AND SHELF

MEETING/MOUNTING

MOTOR OPERATED DAMPER

NOISE REDUCTION COEFFICIENT

MODEL

M.S.& S

M.O.D.

MLDG MTD

MTG

MULL M

NAT.

N.S.

NEUT.

NOM. NOR.

NOS. N.I.C. N.T.S.

NO. or #

Ν

MONUMENT

MOULDING MOUNTED

MOVEABLE

MULLION THOUSAND (1000)

NATURAL

NEAR SIDE

NEUTRAL

NOMINAL

NORMAL NORTH

NUMBER

NOSING NOT-IN-CONTRACT

NOT-TO-SCALE

MOV. PARTN. MOVEABLE PARTITION

OBSCUR

OPAQUE

OPENING OPERATOR

OFFICE ON CENTER

OBS.GL

OPQ. OPG. OPER OPP.

OPP.HD.

0.H.S.

OHD OHD.DR

PTD

PNL P.T.D.

PRI PK(

P.BD

PRTN

PAT.

PASS.

PVMT

PVG

PED.

PERF

PERIM. PERM. PERP.

P. or Ø PHOTO.

P.H.

PLAS.

PL. LAM

PL. GL.

PLAT.

PLBG

PLWD

POL. PVC

POR.

PORT

POS.

PCF

P.T.R.

PFN.

P.G.

P.R.V

PRIM.

PROJ PROP

QTY Q.T.

QTR. RD

RBT RAD. or R.

R.W.C.

RECV.

REFF

R.R.

PREFAB.

P.T.WD

PORC. PORC. ENAM

P.T

P.T.W.R.

OBSCURE GLASS

OPPOSITE OPPOSITE HAND

ORIGINAL ORNAMENTAL

OUT-TO-OUT

OUTSIDE AIR

OVERHEAD

OXYGEN

PAINTED

PAIR

PAGE

OUTSIDE DIAMETE OUTSIDE FACE

OVAL HEAD SCREW

OVERHEAD DOOR

PAPER TOWEL DISPENSER

PAPER TOWEL WASTE

RECEPTACLE

PARTICLE BOARD

PARALLEL

PASSAGE

PAVEMENT

PEDESTAL

PERFORATED

PERIMETER PERMANENT

PERPENDICULAR

PLASTIC LAMINATE

POINT OF TANGENCY

POLISH/POLISHED

POLYVINYLCLORIDE

PORCELAIN ENAMEL

POST INDICATOR VALVE

POUNDS PER LINEAR FOOT

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

PRECAST TERRAZZO RECEPTOR

PRESERVATIVE TREATED WOOD

PRESSURE REDUCING VALVE

POUNDS PER CUBIC FOOT

PORCELAIN

POROUS

PORTABL

POSITION

POWER PANEL

PREFABRICATED

PRESSURE GAUGE

PROPERTY LINE

PUBLIC ADDRE

PURSE SHELF

PUSH BUTTON

QUANTITY

RABBET RADIUS

RAILROAD

RECESS

REDUCER

REDWOOD

RECEPTACLE

QUARRY TILE QUARTER QUARTER ROUND

RAIN WATER CONDUCTOR

RECTANGLE/RECTANGULAR

REFLECTED/REFLECTIVE

RECEIVE/RECEIVING

RECEPTACLE PANEL

REFER/REFERENCE

REFRIGERATOR

PROJECT/PROJECTION

PROPERTY/PROPOSED

PREFINISHED

POINT OF CURVATURE

PLATE GLASS

PLATFORM

PLUMBING

PLYWOOD

PHYSICALLY HANDICAPPED

PHOTOGRAPH

PIECE

PLASTER

ROUND HEAD WOOD SCREW RUBBER TILE Sanitary Sanitary Napkin Dispenser Sanitary Napkin Receptacle SCHEDULE SCREEN SEATING SECTION SERVICE SERVICE SINK SHEATHING SHEET SHEET SHEET METAL SHELF AND ROD SHOWER SHOWER CURTAIN ROD SHOWER DOOR SIDEWALK SIMILAR SINGLE SINK SOAP DISPENSER SOLID CORE SOUND TRANSMISSION CLASS SOUTH SPACE SPARE SPEAKER SPECIFICATIONS SPLITTER DAMPER SPRAYED SPRINKLER SQUARE SQUARE FEET/SQUARE FOOT STAGGERED STAINLESS STEEL STANDARD STANDPIPE STATIC PRESSURE STATION STEAM STEEL STEEL PLATE STIFFENER STOREFRONT STORAGE STRAIGHT STREET STRUCTURAL STRUCTURAL DRAWING-NO. STRUCTURAL GLAZED FACING TILE

STRUCTURAL STEEL SUBSOIL DRAIN SUBSOIL DRAIN CONNECTION SUBSTATION SUPPLY AIR GRILLE SUPPLY DIFFUSER/ DUCT SUSTITUTE SUPPLY AIR REGISTER

SUPPLY FAN

CULV C.D.

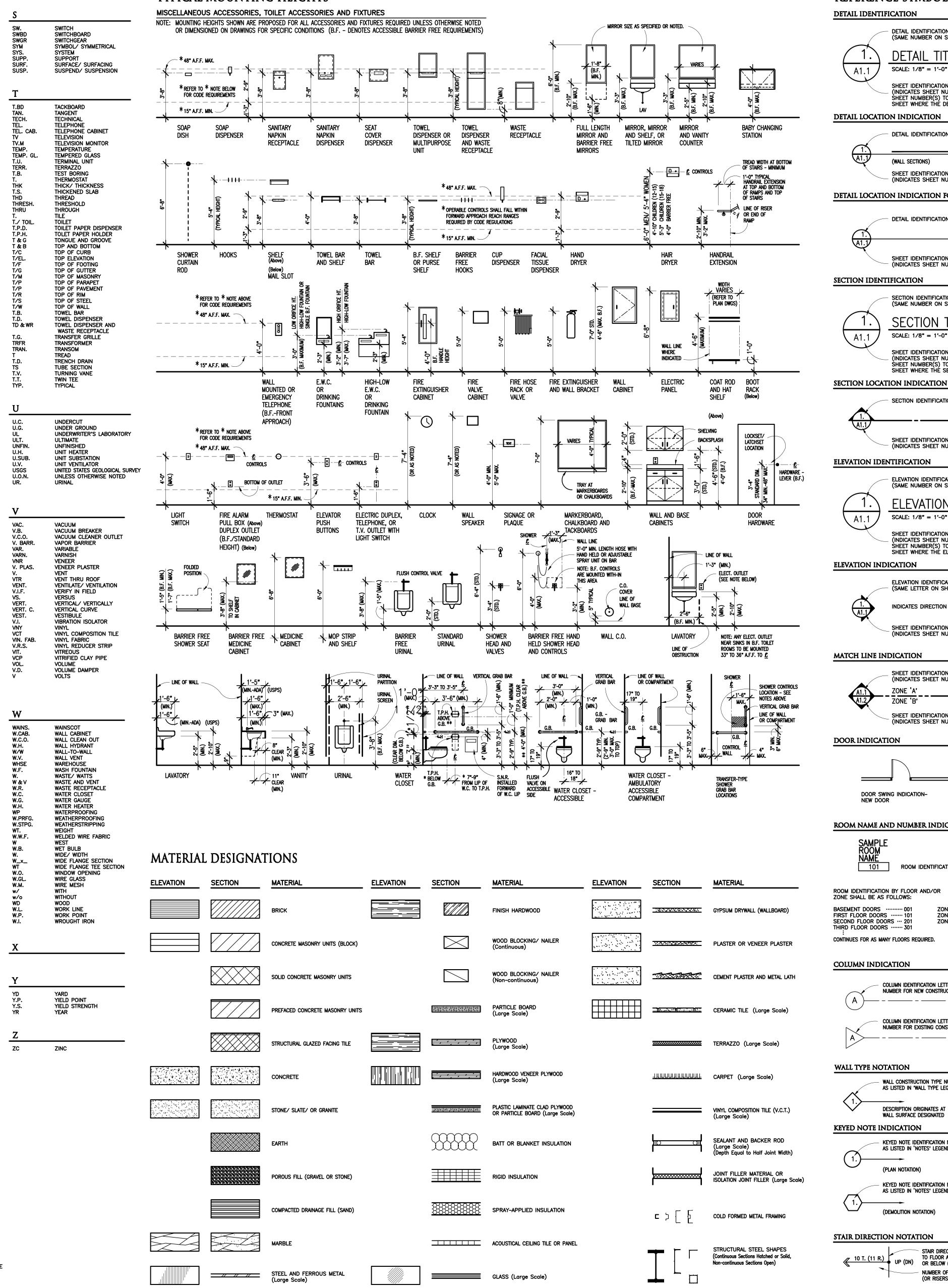
CYC.

CULVERT

CYCLES

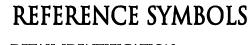
CUP DISPENSER

TYPICAL MOUNTING HEIGHTS



ALUMINUM AND NON-FERROUS METAL (Large Scale)

GLASS (Small Scale)



- 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 IDENTIFICATION NUMBER (A1.1) (WALL SECTIONS) (PLAN SECTIONS) SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN) DETAIL LOCATION INDICATION FOR ENLARGED PLANS DETAIL IDENTIFICATION NUMBER SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN) 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 IDENTIFICATION NUMBER SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE SECTION IS DRAWN) 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 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) SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER OF DRAWING) ZONE 'A' ZONE 'A' A1.1 ZONE 'B' ZONE 'B' A1.2 ZONE 'A' SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DRAWING IS CONTINUED) DOOR SWING INDICATION-DOOR SWING INDICATION-DOOR SWING INDICATION-EXISTING DOOR TO BE REMOVED EXISTING DOOR ROOM NAME AND NUMBER INDICATION DOOR 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 ROOM IDENTIFICATION NUMBER REQUIRED. 101 / 101A / 101B FOR NUMBER NEEDED DOOR IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS: ZONE A ··· A101 ZONE B ··· B101 ZONE C ··· C101 ZONE A ··A101 ZONE B ··B101 ZONE C ··C101 BASEMENT DOORS 001 FIRST FLOOR DOORS 101 SECOND FLOOR DOORS ··· 201 THIRD FLOOR DOORS 301 CONTINUES FOR AS MANY FLOORS REQUIRED. NORTH INDICATION ASSUMED NORTH IF NOT COLUMN IDENTIFICATION LETTER OR NUMBER FOR NEW CONSTRUCTION TRUE NORTH OR PLAN NORTH WHERE TRUE NORTH IS INDICATED BY ARROW NOTATION COLUMN IDENTIFICATION LETTER OR NUMBER FOR EXISTING CONSTRUCTION TRUE - _____ - _____ - _____ NORTH CASEWORK NOTATION WALL CONSTRUCTION TYPE NUMBER ASEWORK IDENTIFICATION NUMBER BASED ON MANUFACTURERS CATALOG AS LISTED IN 'WALL TYPE LEGEND' NUMBERS AS NOTED IN SPECIFICATIONS OR 'CASEWORK LEGEND' A1-100-36 ------DESCRIPTION ORIGINATES A WALL SURFACE DESIGNATE ADDENDUM INDICATION KEYED NOTE IDENTIFICATION NUMBE ADDENDUM NUMBER AS LISTED IN 'NOTES' LEGEND. (Current revisions shall be shown Encircled by a freeform line) (PLAN NOTATION) BULLETIN INDICATION KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN 'NOTES' LEGEND. BULLETIN NUMBER (CURRENT REVISIONS SHALL BE SHOWN (DEMOLITION NOTATION) ENCIRCLED BY A FREEFORM LINE) DRAWING DIMENSION LINE INDICATION STAIR DIRECTION TO FLOOR ABOVE (UP) NOTE: DO NOT SCALE DRAWINGS WITHOUT UP (DN) TO FLOOR ABUVE (UP (DN) 10'–0" GRAPHIC SCALES WITH NUMBER OF TREADS PROPORTIONS OTHER (or risers) in stair run THAN 1:1 DRAWING NOTATION INDICATION MATERIAL OR WORK DIVISION NOTATION MATERIAL NOTATION AND INFORMATION MATERIAL 'A' MATERIAL 'B' (REFER TO TECHNICAL SPECIFICATIONS (NEW CONST.) (EXIST. CONST.) FOR MATERIAL DESCRIPTIONS AND METHODS JOINT BETWEEN MATERIALS OF CONSTRUCTION)



PROJECT NO.

22088B

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10-03-2024	CONSTRUCTION DOCUMENTS	
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DRAWING TITLE General Information

Troy School District Troy, Michigan

PROJECT TITLE Costello **Elementary School Playground Remodel Bid Package No.01B**

CONSULTANT

REGISTRATION SEAL

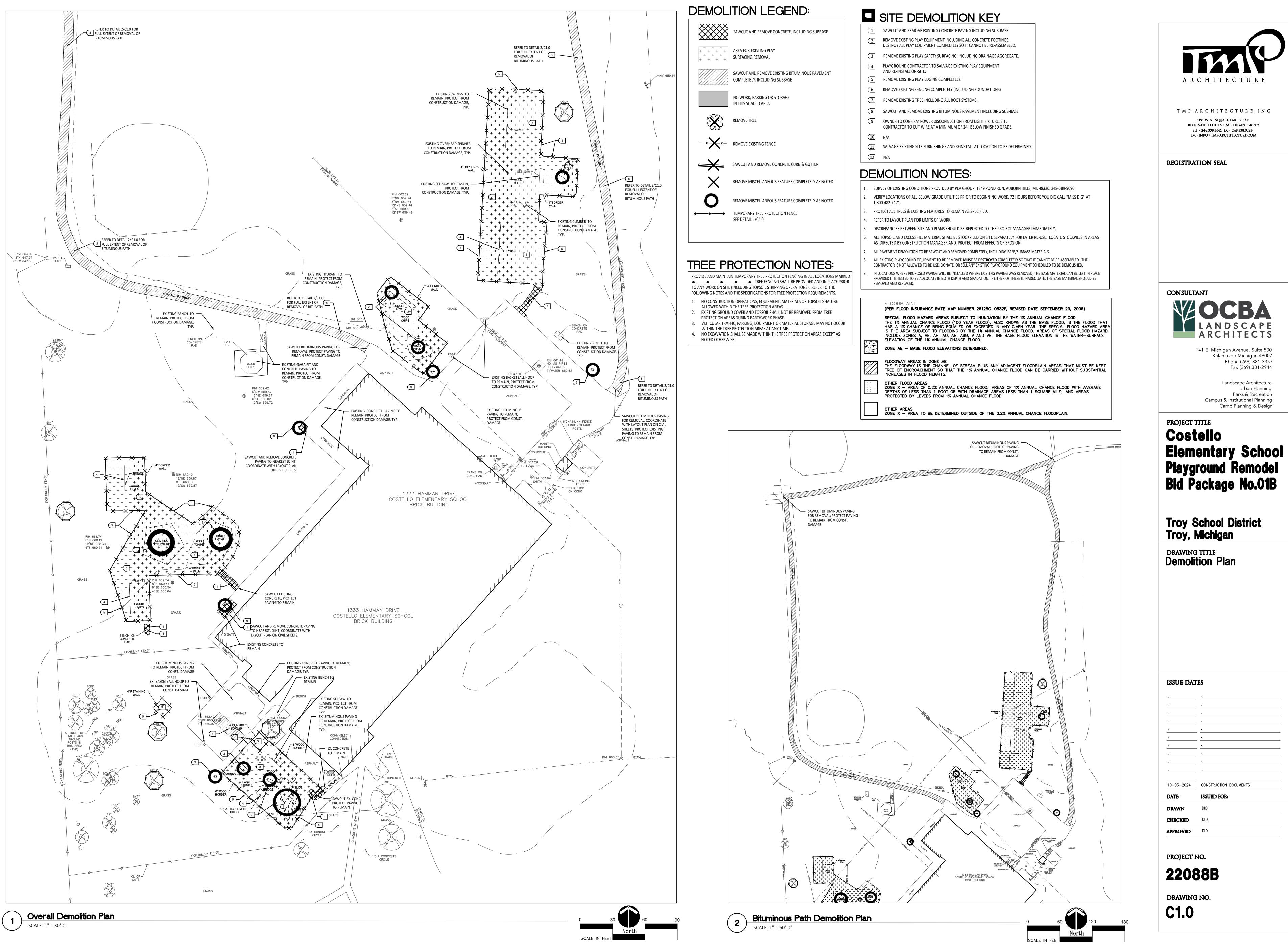


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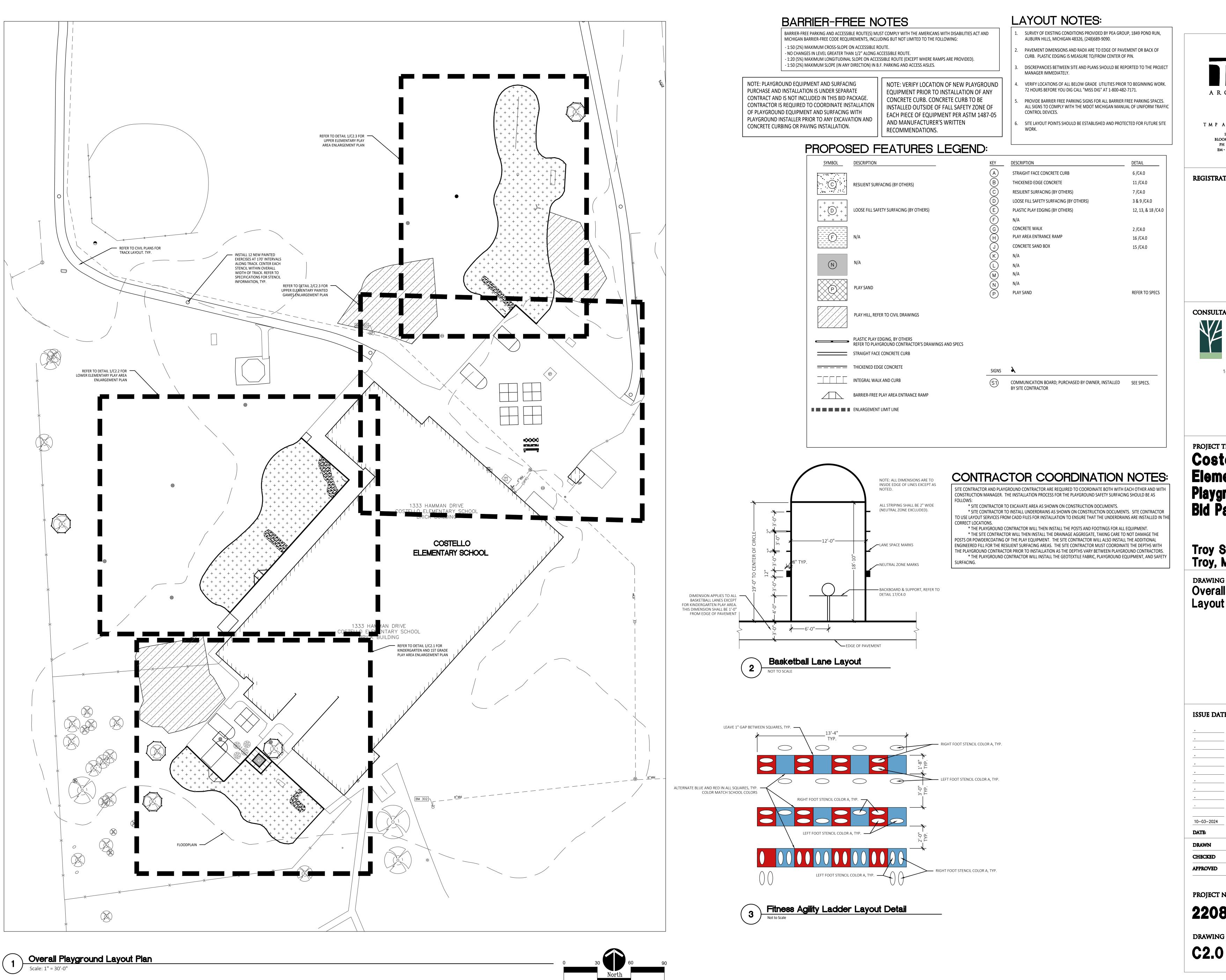




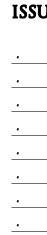
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Fax (269) 381-2944 Landscape Architecture Urban Planning







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PROJECT TITLE Costello **Elementary School Playground Remodel Bid Package No.01B**

Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944 Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

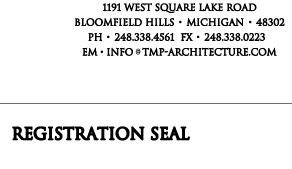
141 E. Michigan Avenue, Suite 500





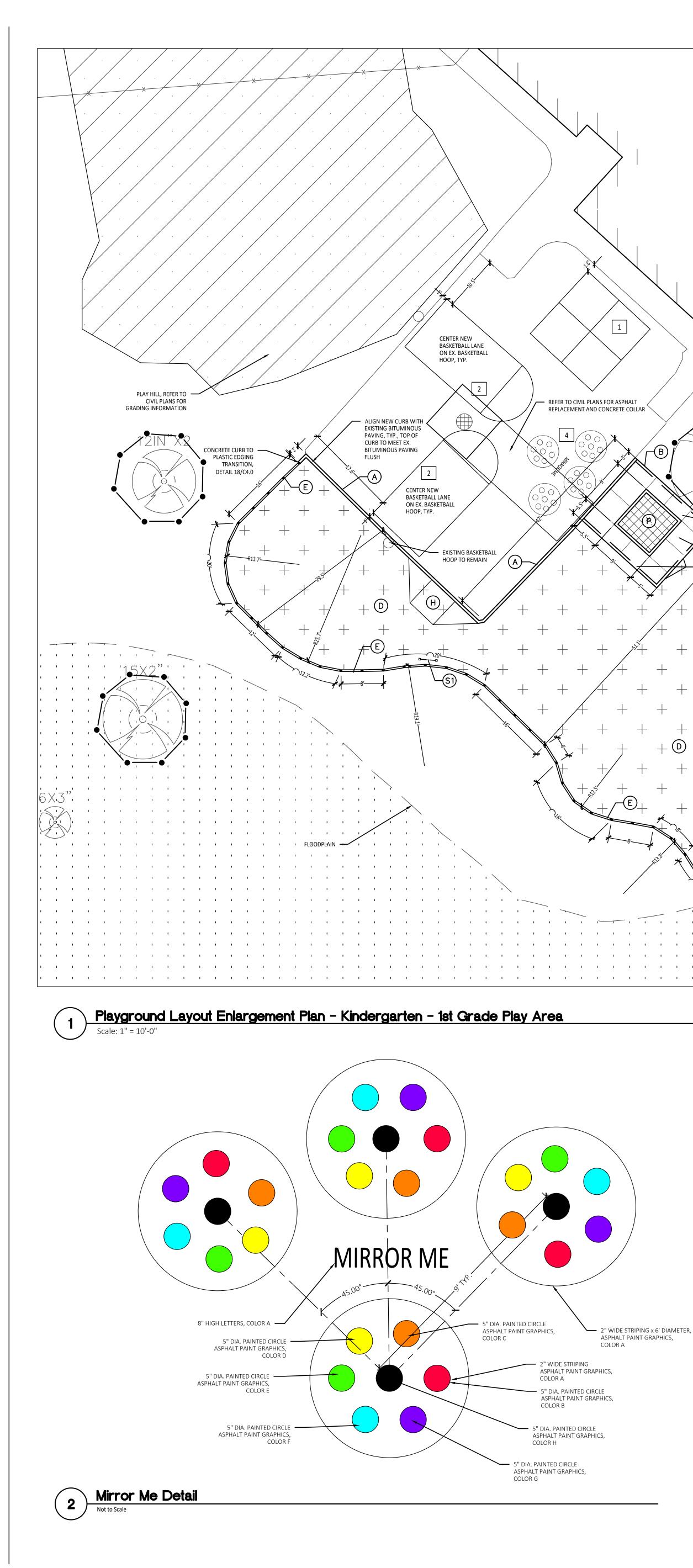


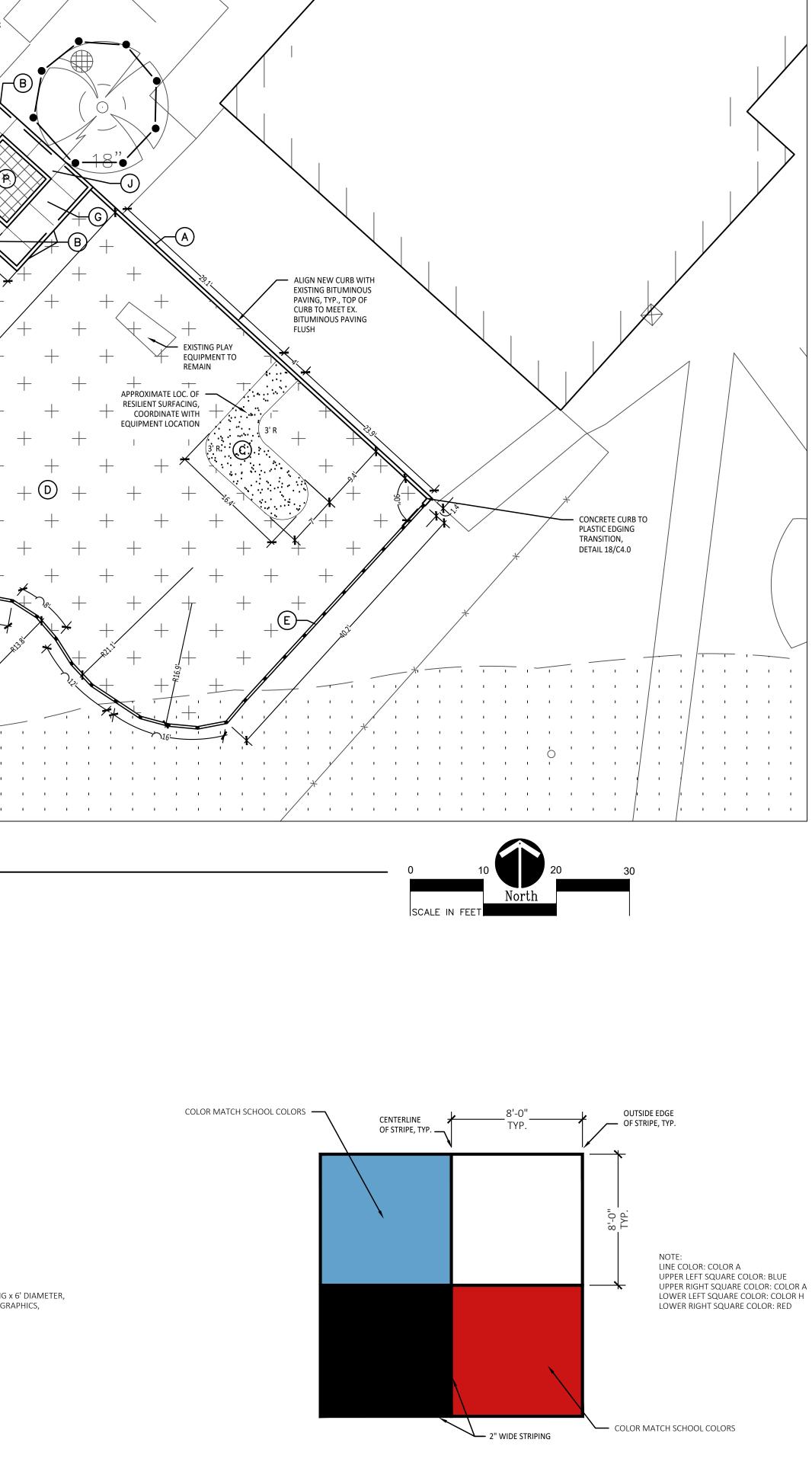




TMP ARCHITECTURE INC







4 Square Layout Detail 3 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.

PROPOSED FEATURES LEGEND:

DESCRIPTION SYMBOL RESILIENT SURFACING (BY OTHERS) + + + (D)-LOOSE FILL SAFETY SURFACING (BY OTHERS) + + + + <u>-(F)</u> _ _ _ _ _ _ _ (N)P PLAY SAND 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 SIGNS À _____ INTEGRAL WALK AND CURB (S1) \bigtriangleup BARRIER-FREE PLAY AREA ENTRANCE RAMP 🖉 📰 📰 📰 📰 🖉 ENLARGEMENT LIMIT LINE

PAINTED GAMES SCHEDULE:

SYMBOL	DESCRIPTION	DETAIL
1	FOUR SQUARE	3/ C2.1
2	BASKETBALL LANE LAYOUT	2 / C2.0
3	N/A	
4	MIRROR ME	2 / C2.1
5	N/A	
6	FITNESS AGILITY LADDER	3 / C2.0
7	N/A	
8	N/A	
9	N/A	
10	N/A	
11	N/A	

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 DOCUME * SITE CONTRACTOR TO INSTALL UNDERDRAINS AS SHOWN ON CONSTRUCTION DOCUMENTS. SITE CONTRACTOR

TO USE LAYOUT SERVICES CORRECT LOCATIONS * THE PLAYGROUND CONTRACTOR WILL THEN INSTALL THE POSTS AND F

OR THE RESILIENT SURFACING AREAS. THE SITE CONTRACTOR I THE PLAYGROUND CONTRACTOR PRIOR TO INSTALLATION AS THE DEPTHS VARY BETWEEN PLAYGROUND CONTRACTOR * THE PLAYGROUND CONTRACTOR WILL INSTALL THE GEOTEXTILE FABRIC, PLAYGROUND EQUIPMENT, AND SAFE SURFACING.

LAYOUT NOTES:

SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN 48326, (248)689-9090.

- PAVEMENT DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR BACK OF CURB. PLASTIC EDGING IS MEASURED TO/FROM CENTER OF PIN.
- DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
- VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
- 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.
- SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR FUTURE SITE WORK.

DESCRIPTION	DETAIL
STRAIGHT FACE CONCRETE CURB	6 /C4.0
THICKENED EDGE CONCRETE	11 /C4.0
RESILIENT SURFACING (BY OTHERS)	7 /C4.0
LOOSE FILL SAFETY SURFACING (BY OTHERS)	3 & 9 /C4.0
PLASTIC PLAY EDGING (BY OTHERS)	12, 13, & 18 /C4.0
N/A	
CONCRETE WALK	2 /C4.0
PLAY AREA ENTRANCE RAMP	16 /C4.0
CONCRETE SAND BOX	15 /C4.0
N/A	
N/A	
N/A	
N/A	
PLAY SAND	REFER TO SPECS

COMMUNICATION BOARD; PURCHASED BY OWNER, INSTALLED SEE SPECS. BY SITE CONTRACTOR



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10-03-2024	CONSTRUCTION DOCUMENTS
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APPROVED	DID



PROJECT TITLE Costello **Elementary School Playground Remodel Bid Package No.01B**

Phone (269) 381-3357 Fax (269) 381-2944 Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

141 E. Michigan Avenue, Suite 500

Kalamazoo Michigan 49007



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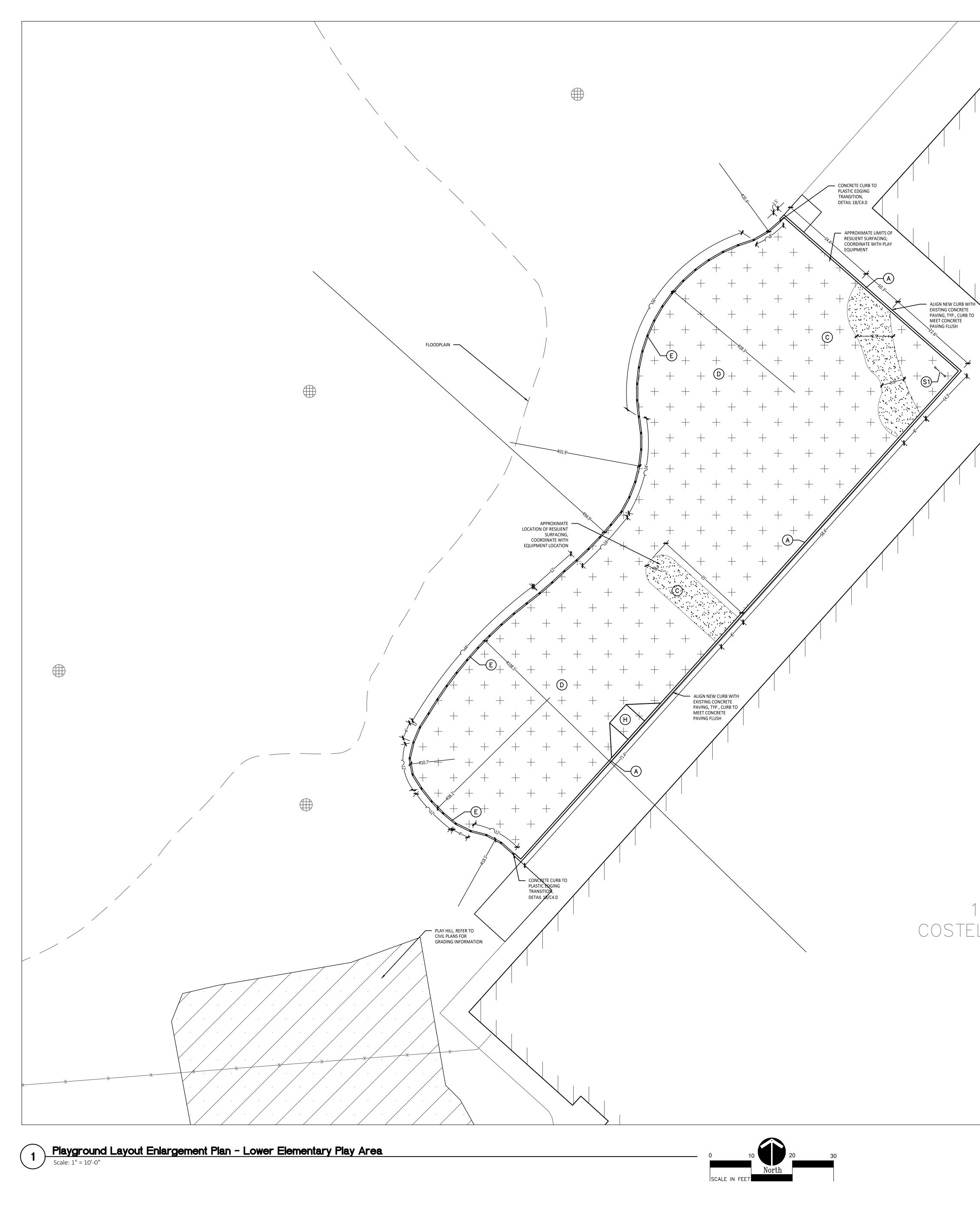


REGISTRATION SEAL

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		BLOOMFIELD HILLS • MICHIGAN • 48302 PH • 248.338.4561 FX • 248.338.0223 EM • INFO © TMP-ARCHITECTURE.COM
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	INSTALLATION.	
	PROPOSED FEATURES LEGEND	CONSULTANT
	SYMBOL DESCRIPTION	
	RESILIENT SURFACING (BY OTHERS)	LANDSCA ARCHITEC
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	N/A	Landscape Archite Urban Pla
		Parks & Recre Campus & Institutional Pla
	N/A N/A	Camp Planning & D
		PROJECT TITLE Costello
	PLAY SAND	Elementary Sci
	PLAY HILL, REFER TO CIVIL DRAWINGS	Playground Remo
		Bid Package No.
	PLASTIC PLAY EDGING, BY OTHERS REFER TO PLAYGROUND CONTRACTOR'S DRAWINGS AND SPECS STRAIGHT FACE CONCRETE CURB	DIU Fackayo nu.v
	— — — — THICKENED EDGE CONCRETE	
	INTEGRAL WALK AND CURB	Troy School District
	BARRIER-FREE PLAY AREA ENTRANCE RAMP	Troy, Michigan
	E DE DE DE DE ENLARGEMENT LIMIT LINE	DRAWING TITLE Playground Layout
		Enlargement Plans
	KEY DESCRIPTION DETAIL	
	(A)STRAIGHT FACE CONCRETE CURB6 /C4.0(B)THICKENED EDGE CONCRETE11 /C4.0	
	C RESILIENT SURFACING (BY OTHERS) 7 /C4.0	
	E PLASTIC PLAY EDGING (BY OTHERS) 12, 13, & 1	
	F N/A G CONCRETE WALK 2 /C4.0	
	HPLAY AREA ENTRANCE RAMP16 /C4.0JCONCRETE SAND BOX15 /C4.0	ISSUE DATES
	K N/A L N/A	· · · · · · · · · · · · · · · · · · ·
MAN DH	M N/A	
	N N/A P PLAY SAND REFER TO S	PECS
BUILDING		
	signs 🔪	
	S1 COMMUNICATION BOARD; PURCHASED BY OWNER, INSTALLED SEE SPECS. BY SITE CONTRACTOR	
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	SITE CONTRACTOR AND PLAYGROUND CONTRACTOR ARE REQUIRED TO COORDINATE BOTH WITH EACH	OTHER AND WITH PROJECT NO.
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141 E. Michigan Avenue, Suite 500 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944 Landscape Architecture . Urban Planning

Parks & Recreation

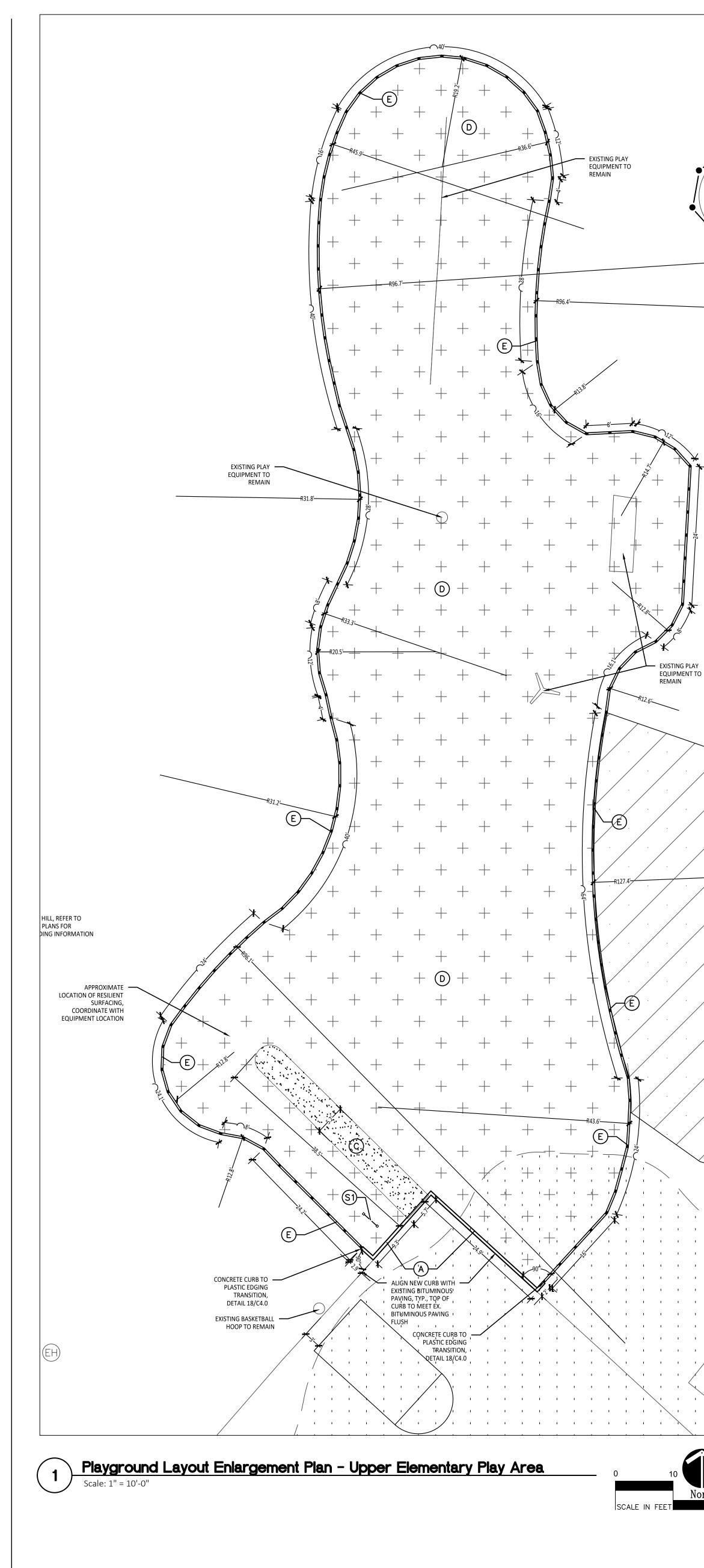


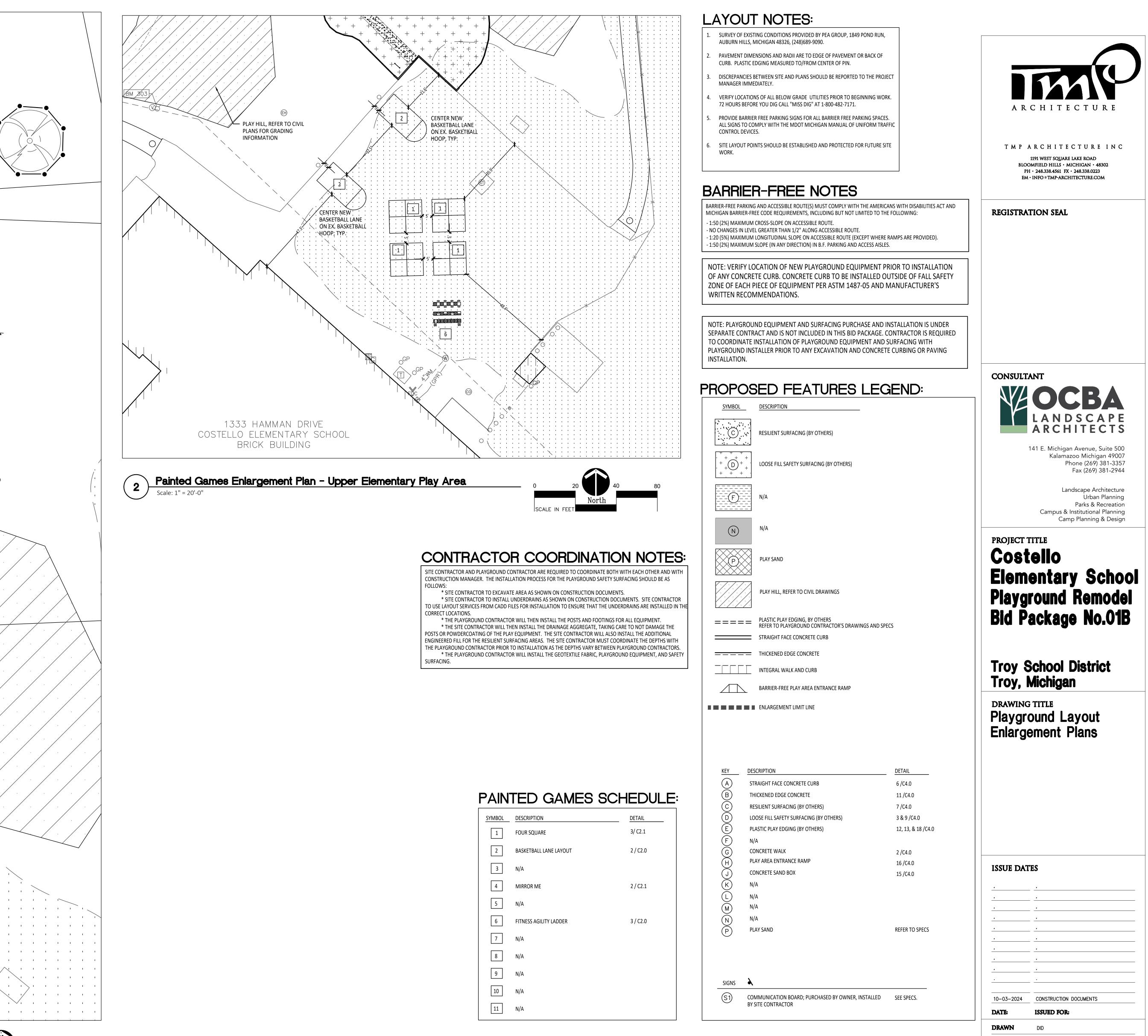




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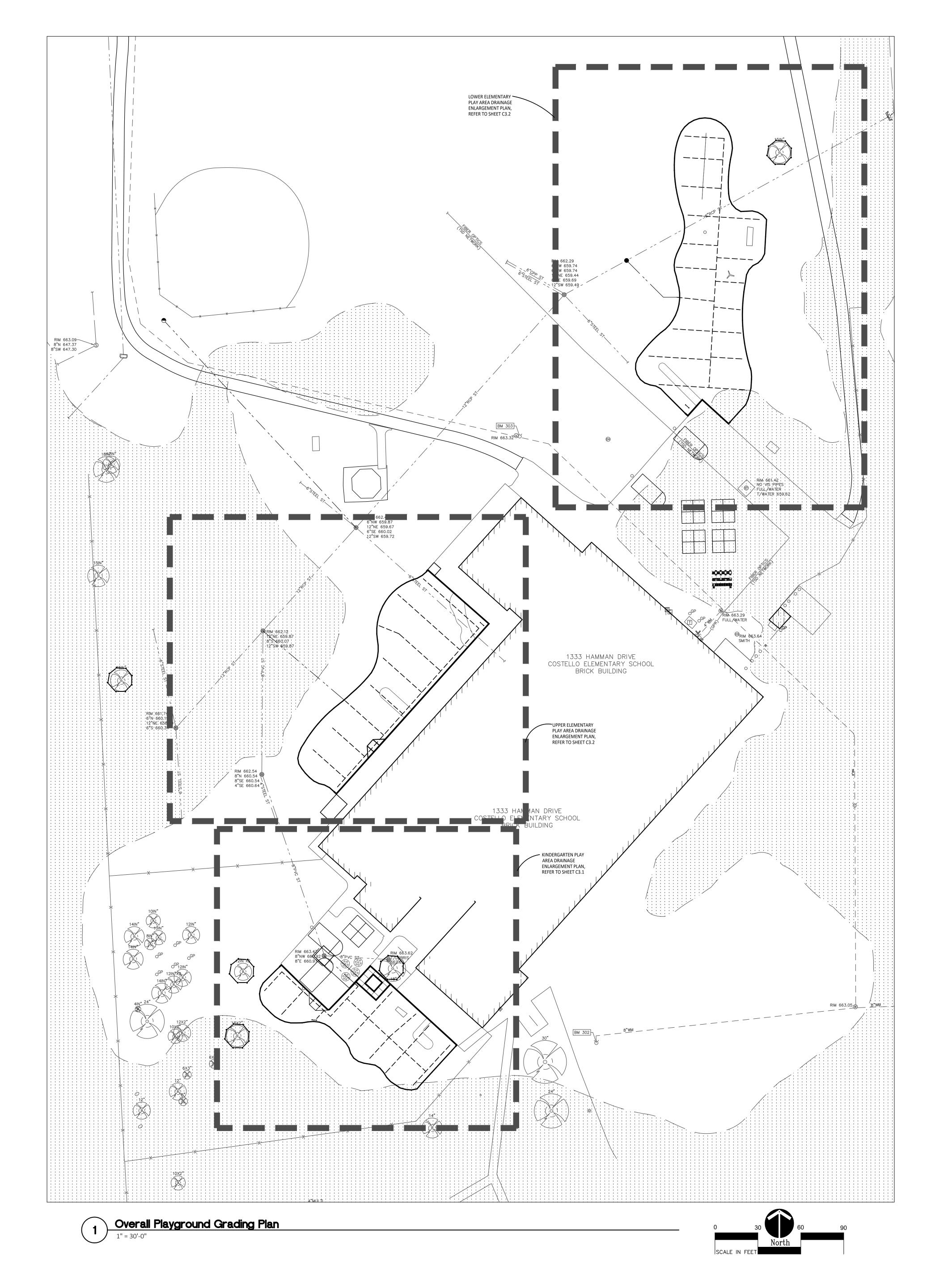






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PROPOSED FEATURES LEGEND:

_____ 695 -EXISTING CONTOURS +711.55 2067 CONC. EXISTING SPOT ELEVATIONS 710 PROPOSED CONTOURS 2% DIRECTION AND PERCENTAGE OF SLOPE -Ο NEW STORMWATER STRUCTURE, REFER TO CIVIL PLANS — — — — — PLAYGROUND UNDER DRAIN PIPE, REFER TO DETAIL 14/C4.0 INVERT ELEVATION INV

IMPORTANT NOTE

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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.

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Playground Remodel Bid Package No.01B			
	Troy School District Troy, Michigan		
DRAWING TITLE Overall Playground Drainage Plan			
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APPROVED	DID		
PROJECT NO.			

Campus & Institutional Planning Camp Planning & Design PROJECT TITLE Costello **Elementary School**

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

Landscape Architecture

Urban Planning

Parks & Recreation

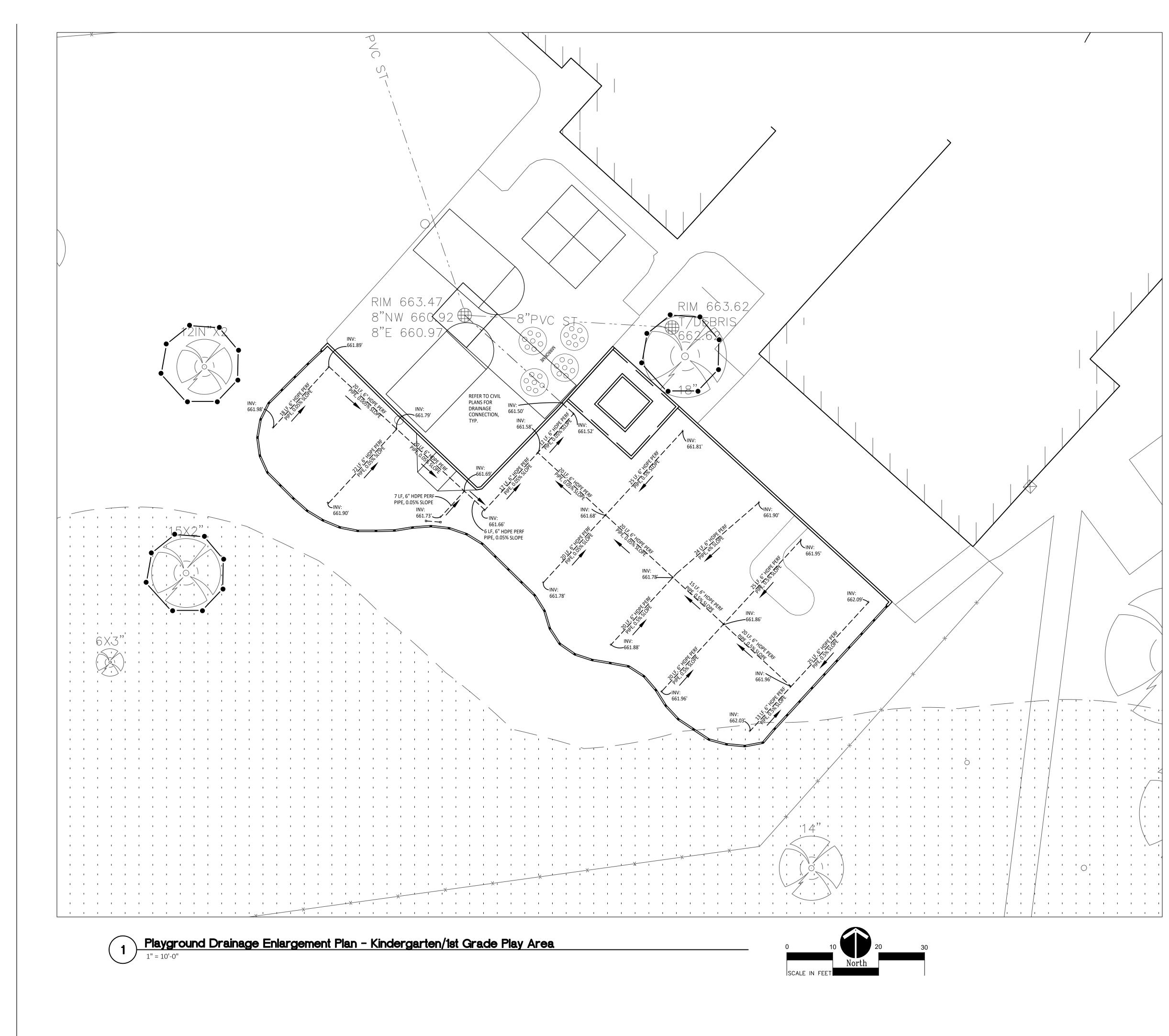
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CONSULTANT

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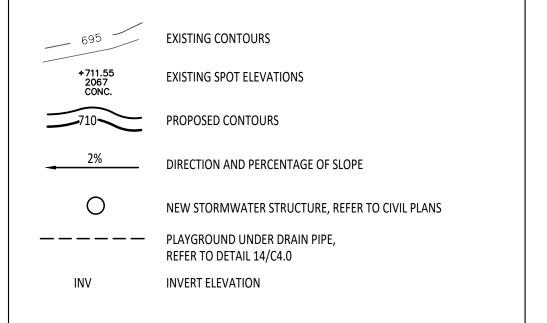
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PROPOSED FEATURES LEGEND:



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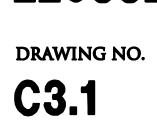
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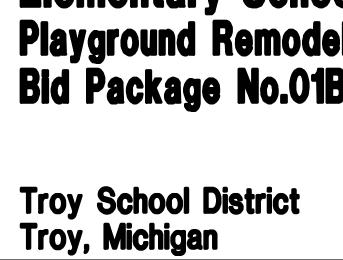


DRAWING TITLE Playground Drainage Enlargement Plan





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PROJECT TITLE Costello Elementary School Playground Remodel Bid Package No.01B

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

Urban Planning

Parks & Recreation

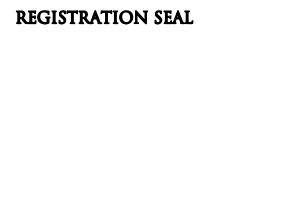
Campus & Institutional Planning Camp Planning & Design

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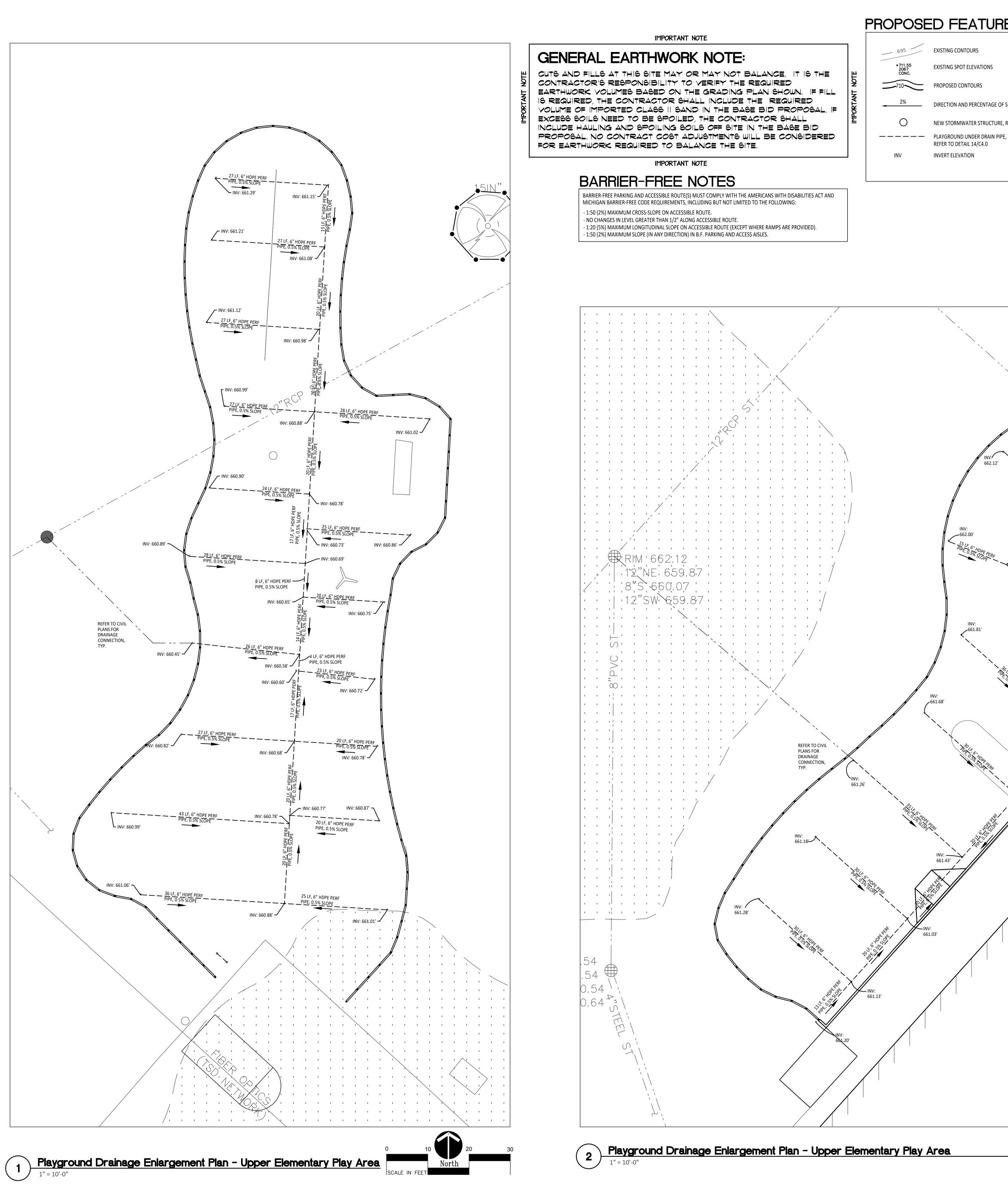




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EXISTING CONTOURS

EXISTING SPOT ELEVATIONS

DIRECTION AND PERCENTAGE OF SLOPE

NEW STORMWATER STRUCTURE, REFER TO CIVIL PLANS

PROPOSED CONTOURS

REFER TO DETAIL 14/C4.0

INVERT ELEVATION

PROPOSED FEATURES LEGEND: GRADING NOTES:

CORRECT LOCATIONS.

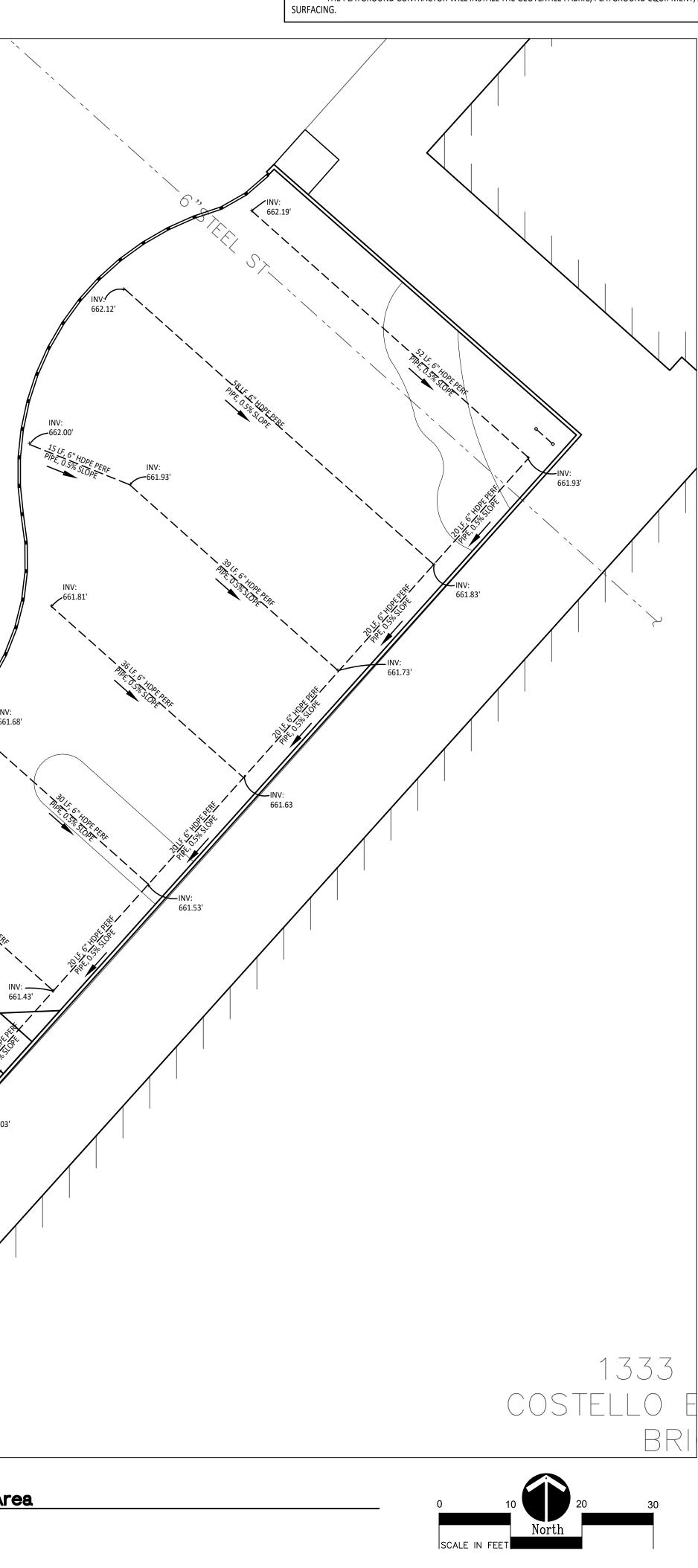
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 - ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION

MANAGER AND PROTECT FROM EFFECTS OF EROSION. **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 TH

* 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 SAFET



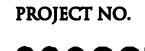
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PROJECT TITLE Costello **Elementary School Playground Remodel Bid Package No.01B**

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

Urban Planning

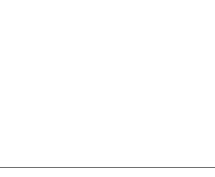
Parks & Recreation

Campus & Institutional Planning Camp Planning & Design







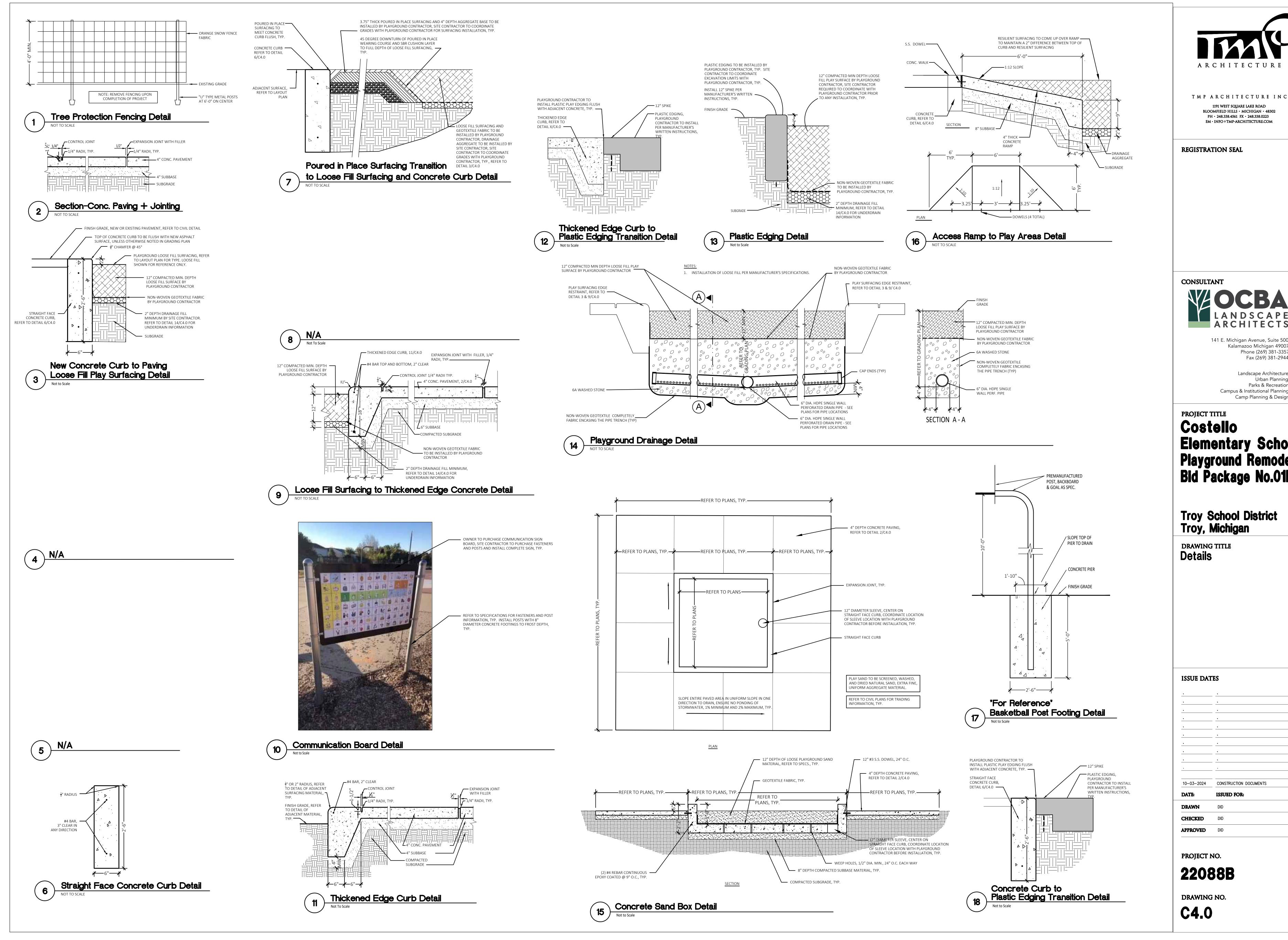




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Y	OCBA LANDSCAPE
	ARCHITECTS 141 E. Michigan Avenue, Suite 500 Kalamazoo Michigan 49007 Phone (269) 381-3357
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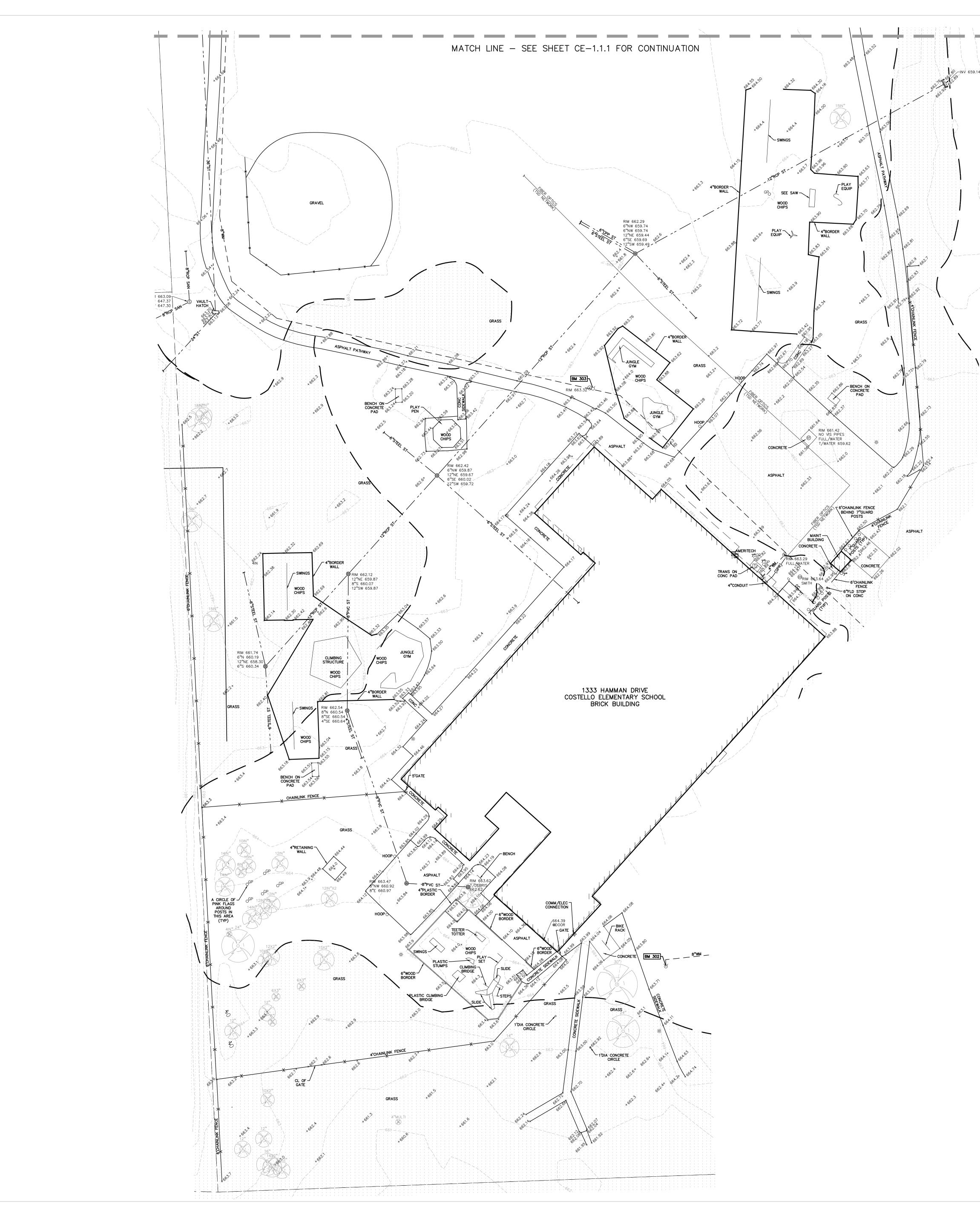
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4	LONG LAKE ROAD	LEGEND:	
		-OH-ELEC-W-O-	< EX. OH. ELEC, POLE & GUY WIRE
		-UG-CATV-TV	- EX. U.G. CABLE TV & PEDESTAL
Q	OAD	-∪G-СОММ⊠-①-	- EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
ROAD		-UG-ELEC-E-E	- EX. U.G. ELEC, MANHOLE, METER & HANDHOLE
STE			- EX. GAS LINE
OCHE		G GAS	EX. GAS VALVE & GAS LINE MARKER
Ж		T I	EX. TRANSFORMER & IRRIGATION VALVE
		- — —	- EX. WATER MAIN
		ర - ∞	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
		⊗ 18	EX. WATER VALVE BOX & SHUTOFF
	WATTLES ROAD		- EX. SANITARY SEWER
		@ \$	EX. SANITARY CLEANOUT & MANHOLE
		©	EX. COMBINED SEWER MANHOLE
N	NO SCALE		- EX. STORM SEWER
[@ \$J	EX. CLEANOUT & MANHOLE
(GPS DERIVED - NA			EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
		O ^{Y.D.} ®	EX. YARD DRAIN & ROOF DRAIN
	ANT, ±80' EAST FROM MOST SOUTHEASTERLY	?	EX. UNIDENTIFIED STRUCTURE
BUILDING CORNER		☆	EX. MAILBOX, SIGN & LIGHTPOLE
ELEV 665.95			- EX. FENCE
BM #303		<u> </u>	' EX. GUARD RAIL
	ANT, ±43' NORTH FROM MOST NORTHERLY BUILDING	×°°°`	EX. SPOT ELEVATION
CORNER. ELEV 665.58		×63- 670	- EX. CONTOUR
		<u> <u> </u></u>	EX. WETLAND
			J
FLOODPLAIN:			IRON FOUND / SET
BY GRAPHICAL PL	OTTING, THE SUBJECT PARCEL LIES WITHIN "AREAS	, ≶ ∅	NAIL FOUND / NAIL & CAP SET
DETERMINED TO B	BE OUTSIDE OF THE 0.2% ANNUAL CHANCE	Q	BRASS PLUG SET
```	NE X) PER FEMA FLOOD INSURANCE RATE MAP FECTIVE SEPTEMBER 29, 2006.		MONUMENT FOUND / SET
201230-03311, EIT			SECTION CORNER FOUND
		RMC	RECORDED / MEASURED / CALCULATED
			RAWINGS:
	0 15 30 60	WATER MAIN	"TOPOGRAPHIC SURVEY", PEA GROUP,
			PROJECT NO. 12144, NO DATE
		СОММ	TROY SCHOOL DISTRICT FIBER OPTICS
NORTH	SCALE: 1" = 30'		MISS DIG TICKET NO 2023032303485, DATED
			3-23-23
<b></b>			
	FLOODPLAIN:		
	(PER FLOOD INSURANCE RATE MAP NUMBER 26	3125C-0553G, REV	ISED DATE JANUARY 16, 2009)
	SPECIAL FLOOD HAZARD AREAS SUBJECT TO IN		
	THE 1% ANNUAL CHANCE FLOOD (100 YEAR FL HAS A 1% CHANCE OF BEING EQUALED OR EXC	OOD), ALSO KNOW	N AS THE BASE FLOOD, IS THE FLOOD THAT
	IS THE AREA SUBJECT TO FLOODING BY THE 12		
	INCLUDE ZONES A, AE, AH, AO, AR, A99, V AN ELEVATION OF THE 1% ANNUAL CHANCE FLOOD		FLOOD ELEVATION IS THE WATER-SURFACE
	ZONE AE - BASE FLOOD ELEVATIONS DETERMIN	NED.	
r777	FLOODWAY AREAS IN ZONE AE		
	THE FLOODWAY IS THE CHANNEL OF STREAM P FREE OF ENCROACHMENT SO THAT THE 1% ANI		
	INCREASES IN FLOOD HEIGHTS.		
	OTHER FLOOD AREAS		
	ZONE X – AREA OF 0.2% ANNUAL CHANCE FLC DEPTHS OF LESS THAN 1 FOOT OR WITH DRAIN	OOD; AREAS OF 19	6 ANNUAL CHANCE FLOOD WITH AVERAGE
	PROTECTED BY LEVEES FROM 1% ANNUAL CHAN		THAT I SQUARE MILL, AND AREAS
	OTHER AREAS		
	ZONE X – AREA TO BE DETERMINED OUTSIDE	OF THE 0.2% ANNU	JAL CHANCE FLOODPLAIN.



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	
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# Troy School District Troy, Michigan drawing title Topographic Survey

# Playground Remodel Bid Package No.01B

PROJECT TITLE Costello Elementary School



CONSULTANT

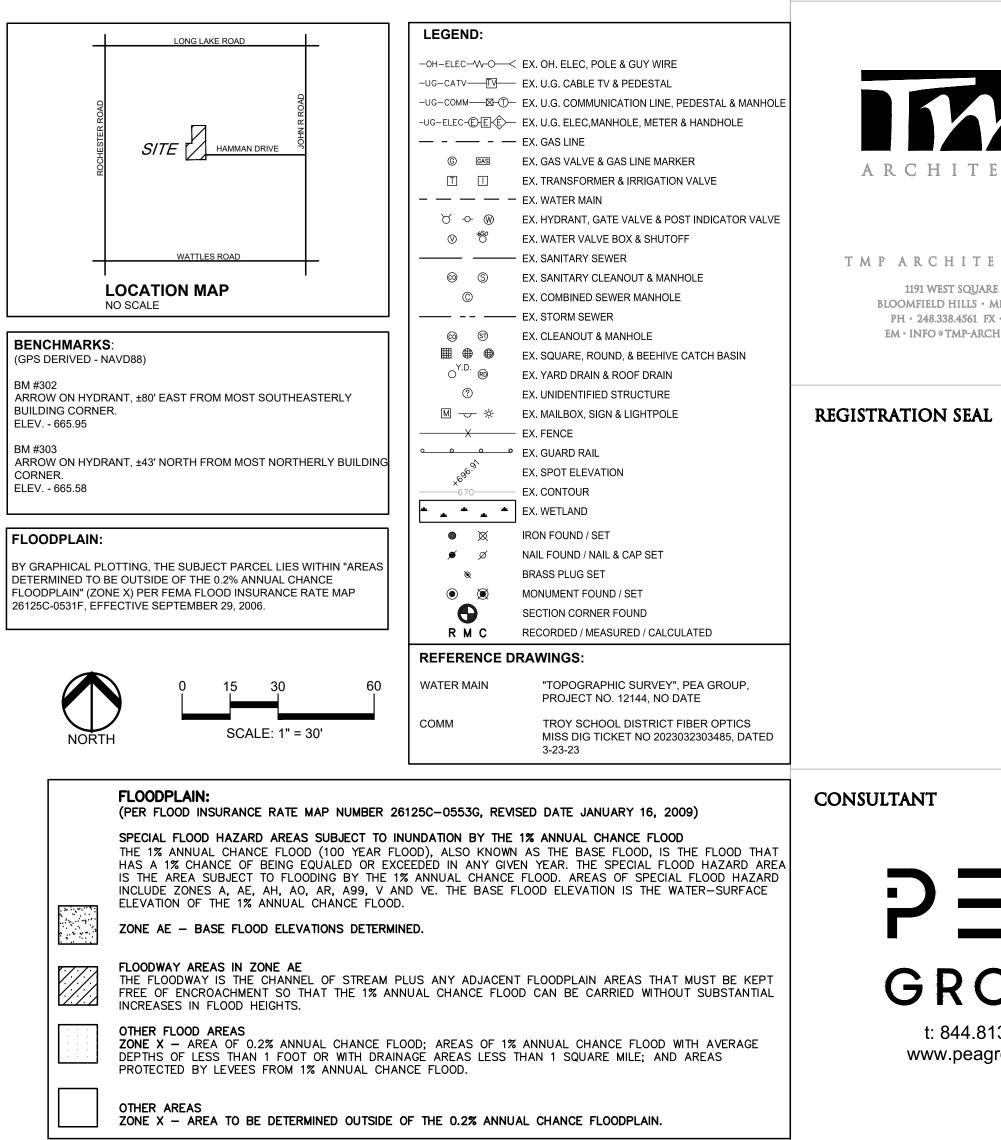
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CONCRETE



PROJECT NO. 22088B

ISSUE DATES

10-03-2024CONSTRUCTION DOCUMENTS09-10-2024OWNER REVIEW08-21-2024INTERNAL COORDINATION07-24-2024DESIGN DEVELOPMENTDATE:ISSUED FOR:DRAWNJGCHECKEDJWAPPROVEDTD			-
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# Troy School District Troy, Michigan drawing title Topographic Survey

# Playground Remodel Bid Package No.01B

PROJECT TITLE Costello Elementary School



CONSULTANT

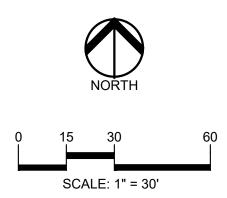
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		LEGEND:	
		STD HEAVY R.O.W. DUTY DUTY ONLY	CONCRETE PAVEMENT
		STD SEAL PLAYSCAPE DUTY COAT	ASPHALT PAVEMENT
		یلا یاد یلد یلد علد یلد یلد	WETLAND
			CONCRETE CURB AND GUTTER REVERSE GUTTER PAN
			SETBACK LINE
		* *	SIGN LIGHTPOLE FENCE
		••••••	GUARD RAIL
N	DTES:		
1	PLANS. ANY BROUGHT TO PEA GROUP,	DEVIATIONS TO THE	NTITIES SHOWN ON THE PLAN QUANTITIES SHALL BE THE SCHOOL DISTRICT AND BID PACKAGE, FOR
2		ENTER OF MANHOLE	BACK OF CURB, FACE OF CATCH BASIN UNLESS
3		BAR CONTINUOUS BET	GUTTER 9" WITH EPOXY WEEN EXISTING AND
4	. REFER TO N	IOTES AND DETAILS SH	IEET FOR PAVING DETAILS.
5	PRIOR TO C		l underground utilities Ng but not limited to:
6	PER DETAILS IN GOOD CO ALL POSTS	S ON SHEET C-4.0. A NDITION SHALL BE RE DAMAGED OR OTHERW SHALL BE DISPOSED C	PLACE SIGNS AND POSTS LL SIGNS AND ANY POSTS TURNED TO THE OWNER. ISE NOT IN USEABLE OF AT NO ADDITIONAL COST
7	AREA; BIDDI THESE STRU FROM THE F BID. THE SU EACH STRUC WITH EITHER 12-INCHES RECONSTRUC PER THE UN THE SCOPE THE WORK ( STRUCTURE	ERS ARE TO INCLUDE ICTURES (GREATER TH RIM ELEVATION OF REP ICCESSFUL BIDDER WIL CTURE BASED ON THE STRUCTURAL ADJUST OF RIM ELEVATION) OF CTION (GREATER THAN IT PRICES PROVIDED I OF WORK DETERMINED COMMENCING. REPLAST SHALL BE INCLUDED I CTURAL ADJUSTMENT (	AN 12-INCHES IN DEPTH AIR WORK) IN THE BASE L BE PAID FOR REPAIRING ACTUAL DEPTH OF REPAIR MENT (WITHIN TOP R STRUCTURAL 12-INCHES IN DEPTH) N THE BID PACKAGE AND AND APPROVED PRIOR TO ERING OF THE ENTIRE N THE UNIT PRICE FOR
SU	BGRADE UN	DERCUTTING NOTE	S:
1.	SUBGRADE SH CONSTRUCTION THE SUMMER ADDITIONALLY, REPEATED LO/	ALL NOT BE LEFT EXP NOPERATIONS AND SH MONTHS TO ENSURE D THE SUBGRADE MAY ADING OF CONSTRUCTION	AND UNDERCUTS, THE OSED TO PRECIPITATION AND IOULD BE PERFORMED DURING ORY, WARM, WEATHER. BECOME UNSTABLE UNDER ON TRAFFIC; THEREFORE, BE LIMITED ON THE EXPOSED
2.	ENGINEERING STABILIZATION BE BACKFILLE PLACED IN AN EXCEED 9 INC USED TO RED	TECHNICIAN TO DETERI IS NECESSARY. UNDE D WITH MDOT 21AA DE I ENGINEERED MANNER HES. THE USE OF TRI- JCE UNDERCUT DEPTH PER THE UNIT PRICE	RCUT EXCAVATIONS SHALL INSE GRADED AGGREGATE ILIFT THICKNESS SHALL NOT -AXIAL GEOGRID MAY BE S, AS APPROVED BY THE
3.	SHALL BE INC AN ALLOWANC ACTUAL VOLU	LUDED IN THE BASE E	ERCUT" FOR EACH SITE ND. THIS ITEM IS CONSIDERED T WILL BE BASED ON THE PLACE STONE PER THE UNIT GE.
4.	AT LEAST 95 BY THE MODIF ALL ENGINEER COMPACTED A CONTENT. FRC	PERCENT OF THE MAX IED PROCTOR (ASTM I ED FILL MATERIAL SHA T APPROXIMATELY THE	MPACTED TO A DENSITY OF MUM DENSITY DETERMINED 01557) METHOD OF TESTING. ALL BE PLACED AND E OPTIMUM MOIUSTURE NOT BE USED AS FILL, NOR ZEN SUBGRADE.
5.	QUALIFIED ENO STABILIZATION WITHIN ANY U	GINEERING TECHNICIAN IS NECESSARY. DRAIN NDERCUT AREA AND (	HALL BE EVALUATED BY A TO DETERMINE IF SUBGRADE I TILE SHALL BE PLACED CONNECTED TO THE CLOSEST

CATCH BASIN TO PREVENT GROUNDWATER FROM POOLING WITHIN THE GRANULAR SOILS IN UNDERCUTS AND CREATING "BATHTUBS" IN THE COHESIVE SOILS.
6. THE QUANTITY FOR 'SUBGRADE UNDERCUT DRAIN TILE (4")" FOR EACH SITE SHALL BE INCLUDED IN THE BASE BID. THIS ITEM IS CONSIDERED AN ALLOWANCE AND FINAL PAYMENT WILL BE BASED ON THE ACTUAL FOOTAGE OF COMPACTED IN PLACE STONE PER THE UNIT PRICE PROVIDED IN THE BID PACKAGE.





PROJECT NO. **220888** 

ISSUE DATES

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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	

Troy School District Troy, Michigan DRAWING TITLE Dimension & Paving Plan

Playground Remodel Bid Package No.01B

PROJECT TITLE Costello Elementary School 1333 HAMMAN DRIVE



CONSULTANT

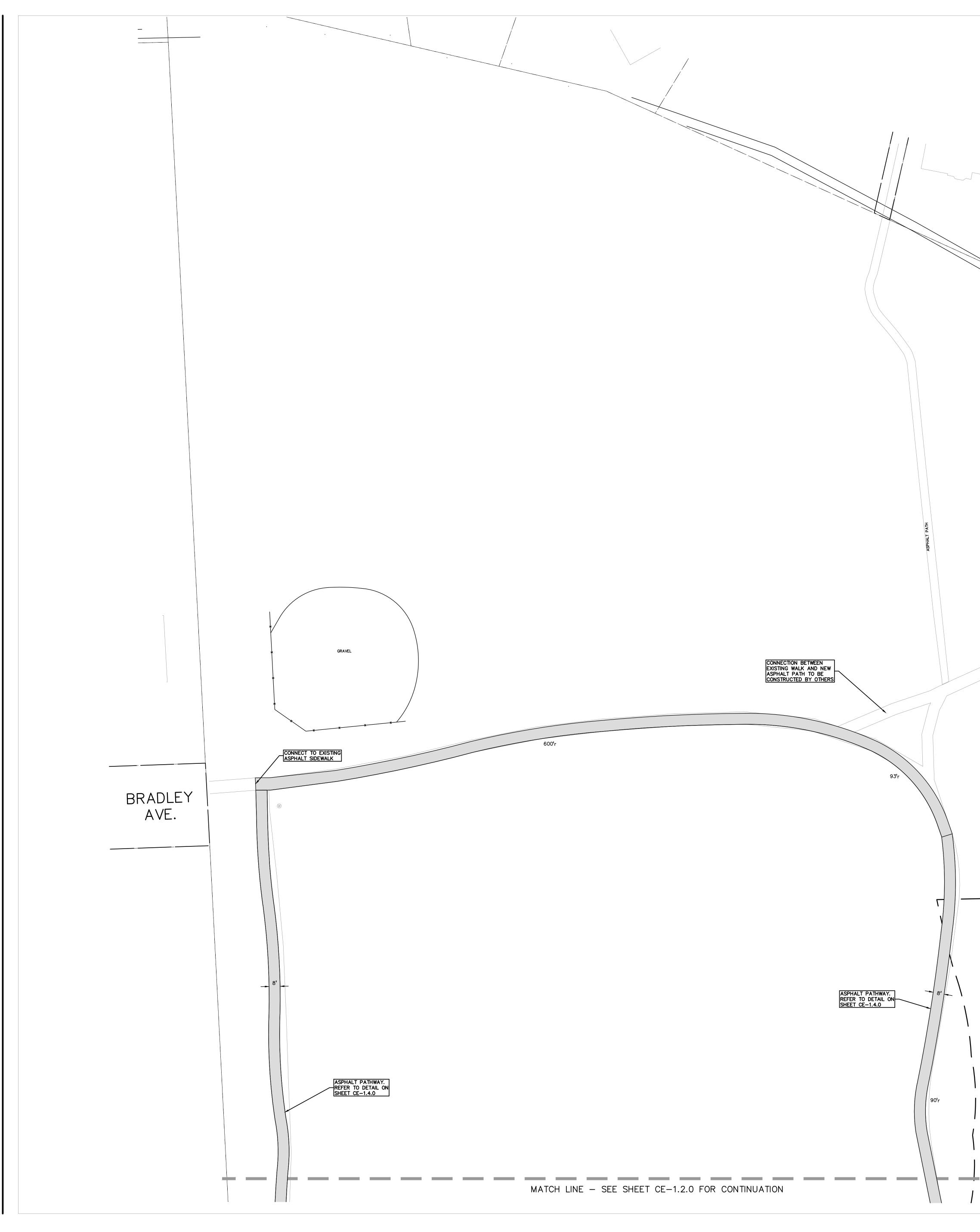
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	LEGEND:
	DUTY DUTY ONLY ASPHALT PAVEMENT
	WETLAND CONCRETE CURB AND GUTTER
	REVERSE GUTTER PAN
	IGHTPOLE    IGHTPOLE    FENCE    GUARD RAIL
	NOTES:
	1. CONTRACTOR TO VERIFY ALL QUANTITIES SHOWN ON THE PLANS. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE SCHOOL DISTRICT AND PEA GROUP, IN WRITING PER THE BID PACKAGE, FOR VERIFICATION PRIOR TO BIDDING.
	2. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, CENTER OF MANHOLE/CATCH BASIN UNLESS OTHERWISE NOTED.
	3. DOWEL INTO EXISTING CURB AND GUTTER 9" WITH EPOXY COATED #4 BAR CONTINUOUS BETWEEN EXISTING AND
	PROPOSED CURBING. 4. REFER TO NOTES AND DETAILS SHEET FOR PAVING DETAILS.
	5. CONTRACTOR TO FIELD VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION INCLUDING BUT NOT LIMITED TO:
	SITE LIGHTING, FIBER LINES, ETC. 6. CONTRACTOR TO REMOVE AND REPLACE SIGNS AND POSTS PER DETAILS ON SHEET C-4.0. ALL SIGNS AND ANY POSTS IN GOOD CONDITION SHALL BE RETURNED TO THE OWNER. ALL POSTS DAMAGED OR OTHERWISE NOT IN USEABLE CONDITION, SHALL BE DISPOSED OF AT NO ADDITIONAL COST
	TO THE OWNER. 7. FOR THE TWO (2) CATCH BASINS, LOCATED IN THE WORK AREA; BIDDERS ARE TO INCLUDE RECONSTRUCTION OF
	THESE STRUCTURES (GREATER THAN 12-INCHES IN DEPTH FROM THE RIM ELEVATION OF REPAIR WORK) IN THE BASE BID. THE SUCCESSFUL BIDDER WILL BE PAID FOR REPAIRING EACH STRUCTURE BASED ON THE ACTUAL DEPTH OF REPAIR WITH EITHER STRUCTURAL ADJUSTMENT (WITHIN TOP
	12-INCHES OF RIM ELEVATION) OR STRUCTURAL RECONSTRUCTION (GREATER THAN 12-INCHES IN DEPTH) PER THE UNIT PRICES PROVIDED IN THE BID PACKAGE AND THE SCOPE OF WORK DETERMINED AND APPROVED PRIOR TO
	THE WORK COMMENCING. REPLASTERING OF THE ENTIRE STRUCTURE SHALL BE INCLUDED IN THE UNIT PRICE FOR BOTH STRUCTURAL ADJUSTMENT AND STRUCTURAL RECONSTRUCTION.
	SUBGRADE UNDERCUTTING NOTES: 1. TO MINIMIZE SUBGRADE INSTABILITY AND UNDERCUTS, THE
	SUBGRADE SHALL NOT BE LEFT EXPOSED TO PRECIPITATION AND CONSTRUCTION OPERATIONS AND SHOULD BE PERFORMED DURING THE SUMMER MONTHS TO ENSURE DRY, WARM, WEATHER. ADDITIONALLY, THE SUBGRADE MAY BECOME UNSTABLE UNDER REPEATED LOADING OF CONSTRUCTION TRAFFIC; THEREFORE,
	<ul> <li>2. SUBGRADE UNDERCUT SHALL BE EVALUATED BY A QUALIFIED ENGINEERING TECHNICIAN TO DETERMINE IF SUBGRADE</li> </ul>
	STABILIZATION IS NECESSARY. UNDERCUT EXCAVATIONS SHALL BE BACKFILLED WITH MDOT 21AA DENSE GRADED AGGREGATE PLACED IN AN ENGINEERED MANNER. LIFT THICKNESS SHALL NOT EXCEED 9 INCHES. THE USE OF TRI-AXIAL GEOGRID MAY BE
	USED TO REDUCE UNDERCUT DEPTHS, AS APPROVED BY THE DISTRICT AND PER THE UNIT PRICE PROVIDED WITH THE CONTRACTORS BID. 3. THE QUANTITY FOR 'SUBGRADE UNDERCUT" FOR EACH SITE
	SHALL BE INCLUDED IN THE BASE BID. THIS ITEM IS CONSIDERED AN ALLOWANCE AND FINAL PAYMENT WILL BE BASED ON THE ACTUAL VOLUME OF COMPACTED IN PLACE STONE PER THE UNIT PRICE PROVIDED IN THE BID PACKAGE.
	4. ALL ENGINEERED FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED BY THE MODIFIED PROCTOR (ASTM D1557) METHOD OF TESTING. ALL ENGINEERED FILL MATERIAL SHALL BE PLACED AND COMPACTED AT APPROXIMATELY THE OPTIMUM MOULSTUPE
	COMPACTED AT APPROXIMATELY THE OPTIMUM MOIUSTURE CONTENT. FROZEN MATERIAL SHALL NOT BE USED AS FILL, NOR SHOULD FILL BE PLACED ON A FROZEN SUBGRADE.
	5. SUBGRADE UNDERCUT DRAIN TILE SHALL BE EVALUATED BY A QUALIFIED ENGINEERING TECHNICIAN TO DETERMINE IF SUBGRADE STABILIZATION IS NECESSARY. DRAIN TILE SHALL BE PLACED WITHIN ANY UNDERCUT AREA AND CONNECTED TO THE CLOSEST CATCH BASIN TO PREVENT GROUNDWATER FROM POOLING WITHIN
	THE GRANULAR SOILS IN UNDERCUTS AND CREATING "BATHTUBS" IN THE COHESIVE SOILS. 6. THE QUANTITY FOR 'SUBGRADE UNDERCUT DRAIN TILE (4")" FOR
	EACH SITE SHALL BE INCLUDED IN THE BASE BID. THIS ITEM IS CONSIDERED AN ALLOWANCE AND FINAL PAYMENT WILL BE BASED ON THE ACTUAL FOOTAGE OF COMPACTED IN PLACE STONE PER THE UNIT PRICE PROVIDED IN THE BID PACKAGE.
	NORTH
	SCALE: 1" = 30'
BOUNDARY. REFER TO SHEET CE-1.1.0 FOR FURTHER INFORMATION	



ISSUE DATES

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

# Troy School District Troy, Michigan DRAWING TITLE Dimension & Paving Plan

# Playground Remodel Bid Package No.01B

PROJECT TITLE Costello Elementary School 1333 HAMMAN DRIVE



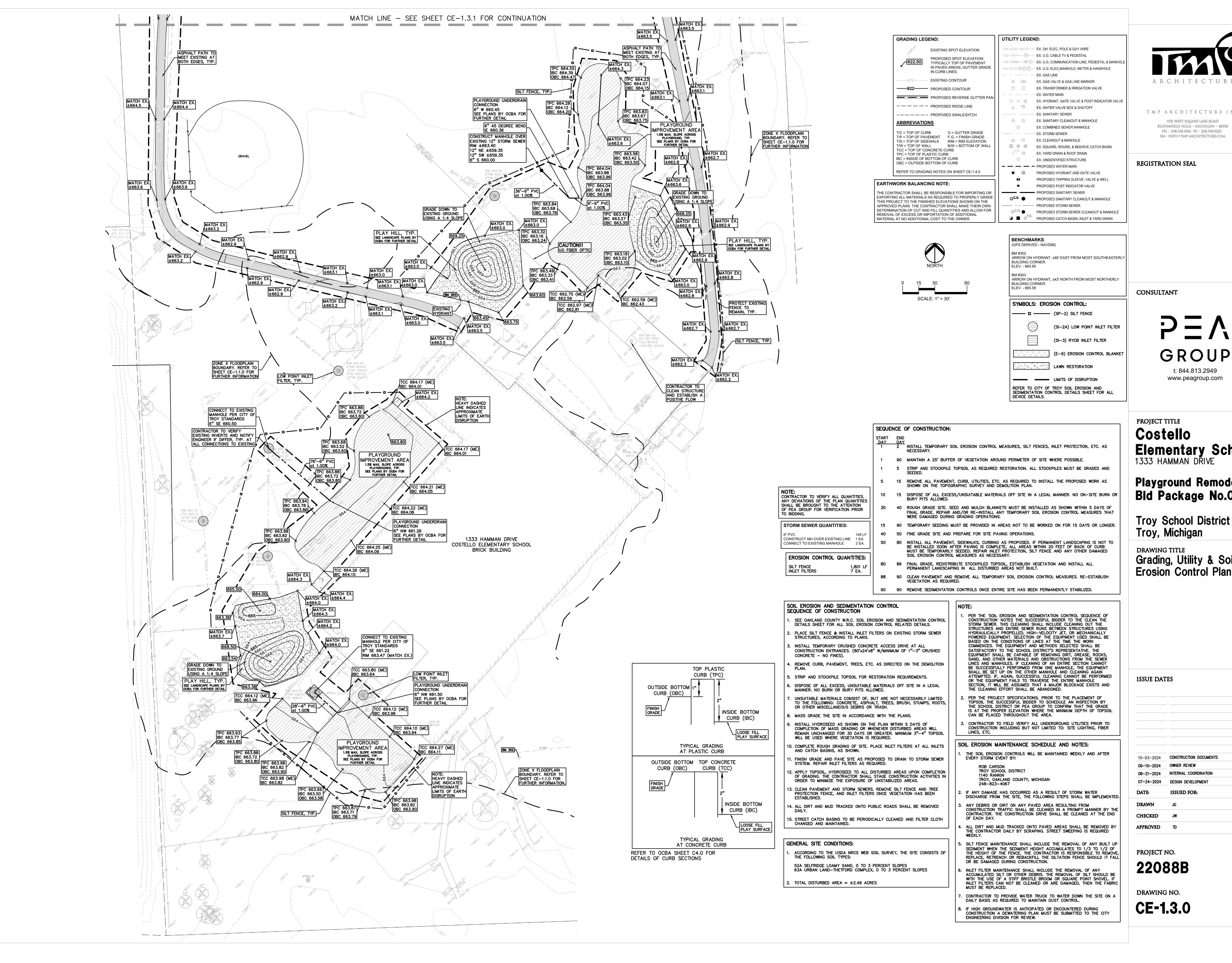
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PEA group

**REGISTRATION SEAL** 

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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	

#### Troy, Michigan DRAWING TITLE Grading, Utility & Soil **Erosion Control Plan**

**Playground Remodel Bid Package No.01B** 

**PROJECT TITLE** Costello **Elementary School** 1333 HAMMAN DRIVE



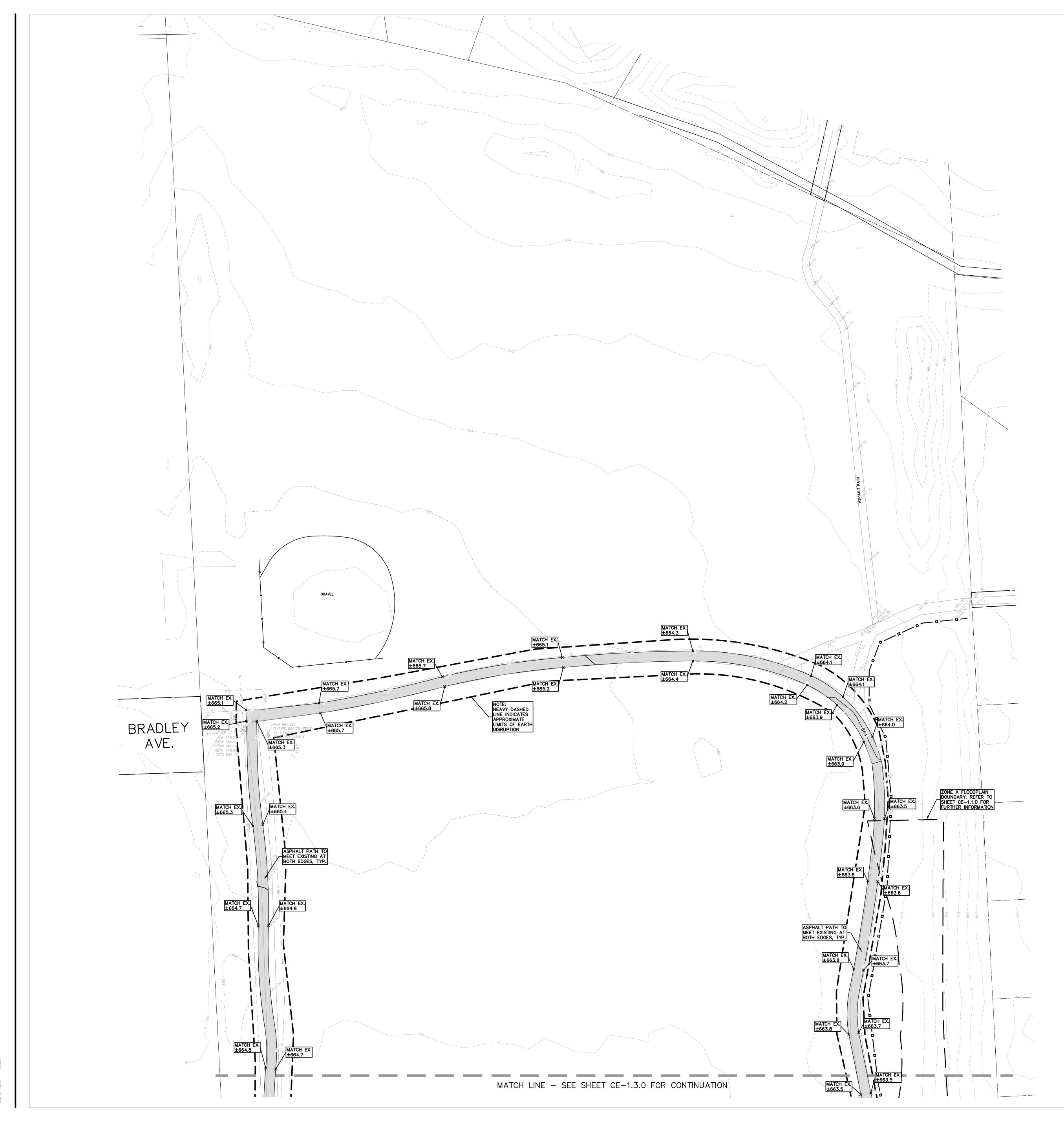
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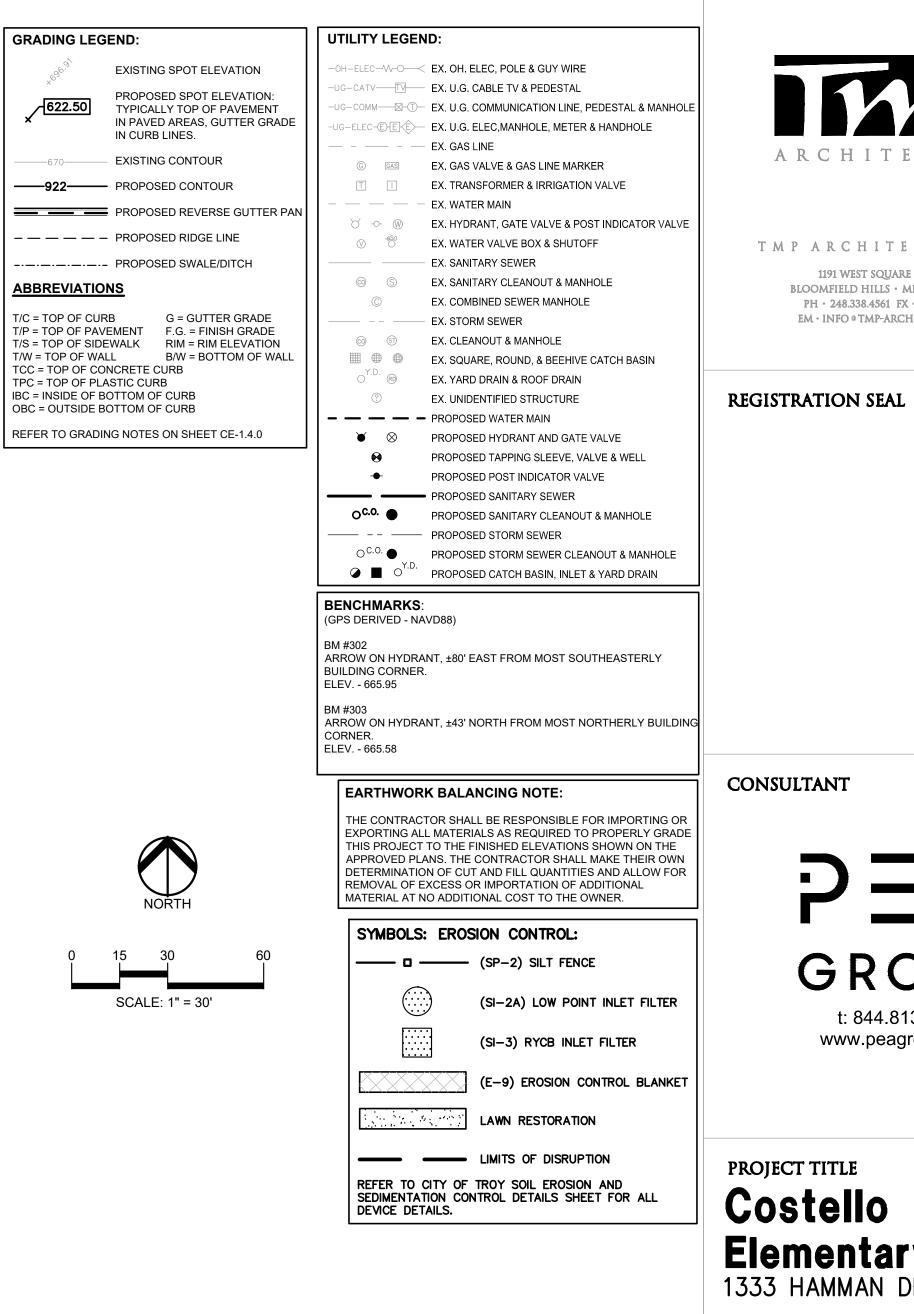
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ISSUE DAT	TES
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07-24-2024	DESIGN DEVELOPMENT
DATE:	ISSUED FOR:
DRAWN	JG
CHECKED	JW
APPROVED	TD

# Troy School District Troy, Michigan DRAWING TITLE Grading, Utility & Soil Erosion Control Plan

**Playground Remodel** Bid Package No.01B

PROJECT TITLE Costello Elementary School 1333 HAMMAN DRIVE



CONSULTANT

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TMP ARCHITECTURE INC

ARCHITECTURE

GE	ENERAL NOTES:
тн	ESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
1.	ALL CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT OSHA, MDOT AND MUNICIPALITY STANDARDS AND REGULATIONS.
2.	THE CONTRACTOR SHALL NOTIFY THE CITY OF TROY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
3.	THE CONTRACTOR MUST CONTACT THE ENGINEER SHOULD THEY ENCOUNTER ANY DESIGN ISSUES DURING CONSTRUCTION. IF THE CONTRACTOR MAKES DESIGN MODIFICATIONS WITHOUT THE WRITTEN DIRECTION OF THE DESIGN ENGINEER, THE CONTRACTOR DOES SO AT HIS OWN RISK.
4.	ALL NECESSARY PERMITS, TESTING, BONDS AND INSURANCES ETC., SHALL BE PAID FOR BY THE CONTRACTOR. THE OWNER SHALL PAY FOR ALL CITY INSPECTION FEES.
5.	THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. IF NO NOTIFICATION IS GIVEN AND DAMAGE RESULTS, SAID DAMAGE WILL BE REPAIRED AT SOLE EXPENSE OF THE CONTRACTOR. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
6.	CONTRACTOR TO VERIFY THAT THE PLANS AND SPECIFICATIONS ARE THE VERY LATEST PLANS AND SPECIFICATIONS AND FURTHERMORE, VERIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED. ALL ITEMS CONSTRUCTED BY THE CONTRACTOR PRIOR TO RECEIVING FINAL APPROVAL, HAVING TO BE ADJUSTED OR RE-DONE, SHALL BE AT THE CONTRACTORS EXPENSE. SHOULD THE CONTRACTOR ENCOUNTER A CONFLICT BETWEEN THESE PLANS AND/OR SPECIFICATIONS, THEY SHALL SEEK CLARIFICATION IN WRITING FROM THE ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO SHALL BE AT SOLE EXPENSE TO THE CONTRACTOR.
7.	ANY WORK WITHIN THE STREET OR HIGHWAY RIGHTS-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION AND SHALL NOT BEGIN UNTIL ALL NECESSARY PERMITS HAVE BEEN ISSUED FOR THE WORK.
8.	ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DISTURBED DUE TO CONSTRUCTION, SHALL BE REPLACED AND/OR RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
9.	THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, SIGNAGE, LIGHTS AND TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AND SAFELY MAINTAIN TRAFFIC IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). THE DESIGN ENGINEER, OWNER, CITY OF TROY AND STATE SHALL NOT BE HELD LIABLE FOR ANY CLAIMS RESULTING FROM ACCIDENTS OR DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO COMPLY WITH TRAFFIC AND PUBLIC SAFETY REGULATIONS DURING THE CONSTRUCTION PERIOD.
10	. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE TOP OF ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANS. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND WILL NOT BE PAID FOR SEPARATELY.
P	AVING NOTES:
1.	IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
2.	REFER TO ARCHITECTURAL PLANS FOR DETAILS OF FROST SLAB AT EXTERIOR BUILDING DOORS.
3.	CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.
	ALL EXPANSION JOINTS AND CONCRETE PAVEMENT JOINTS TO BE SEALED.
	CONCRETE PAVEMENT JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION; 5.1. WHERE PROPOSED CONCRETE ABUTS A STRUCTURE, PROVIDE A MINIMUM 1/2" EXPANSION JOINT. THE JOINT FILLER BOARD MUST BE AT LEAST THE FULL DEPTH OF THE CONCRETE AND HELD DOWN A 1/2" TO
	ALLOW FOR SEALING. 5.2. WHERE PROPOSED CONCRETE ABUTS EXISTING CONCRETE OR IN BETWEEN POURS OF PROPOSED CONCRETE (CONSTRUCTION JOINT), PROVIDE 5/8" DOWELS EVERY 30" CENTER TO CENTER HALF WAY ALONG THE THICKNESS OF THE PROPOSED PAVEMENT. ALTERNATE DOWELS SIZES AND SPACING MUST BE APPROVED THE ENGINEER PRIOR TO
	COMMENCING WORK AND VIA THE SUBMITTAL PROCESS. 5.3. WHERE PROPOSED CONCRETE ABUTS EXISTING OR PROPOSED SIDEWALK OR CURBING, PROVIDE A MINIMUM 1/2" EXPANSION JOINT. 5.4. CONTROL, LONGITUDINAL AND/OR TRANSVERSE JOINTS SHALL BE PLACED TO PROVIDE PANELS WITHIN THE PAVEMENT AS SQUARE AS
	POSSIBLE WITH THE FOLLOWING MAXIMUM SPACING PARAMETERS: 5.4.1. 6-INCH THICK CONCRETE PAVEMENT: 12' X 12' 5.4.2. 8-INCH THICK CONCRETE PAVEMENT: 15' X 15' 5.5. IRREGULAR-SHAPED PANELS MAY REQUIRE THE USE OF REINFORCING MESH OR FIBER MESH AS DETERMINED BY THE ENGINEER. THE USE OF MESH MUST BE APPROVED THE ENGINEER PRIOR TO COMMENCING WORK
!	AND VIA THE SUBMITTAL PROCESS. 5.6. IF A JOINT PLAN IS NOT PROVIDED IN THE PLANS, THE CONTRACTOR SHALL SUBMIT ONE TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
6.	CONCRETE CURBING JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION 5.1. JOINTS WHEN ADJACENT TO ASPHALT PAVEMENT 6.1.1. PLACE CONTRACTION JOINTS AT 10' INTERVALS
	<ul> <li>6.1.2. PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING CURBING.</li> <li>6.1.3. PLACE 1" EXPANSION JOINT:</li> <li>6.1.3.1 AT SPRING POINTS OF INTERSECTIONS OR ONE OF THE END OF</li> </ul>

- RADIUS LOCATIONS IN A CURVE 6.1.3.2. AT 400' MAXIMUM INTERVALS ON STRAIGHT RUNS 6.1.3.3. AT THE END OF RADIUS AT OPPOSITE ENDS IN A CURBED LANDSCAPE ISLAND
- 6.2. JOINTS WHEN TIED TO CONCRETE PAVEMENT 6.2.1. PLACE CONTRACTION JOINTS OPPOSITE ALL TRANSVERSE
- CONTRACTION JOINTS IN PAVEMENT 6.2.2. PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING CURBING. 6.2.3. PLACE 1" EXPANSION JOINT OPPOSITE ALL TRANSVERSE EXPANSION
- JOINTS IN PAVEMENT 6.2.4. CURB AND GUTTER AND CONCRETE SHALL BE TIED TOGETHER SIMILAR TO A LONGITUDINAL LANE TIE JOINT (MDOT B1 JOINT) 6.3. IN BETWEEN POURS OF PROPOSED CONCRETE CURBING (CONSTRUCTION
- 6.3.1. CARRY THE REBAR CONTINUOUSLY BETWEEN POURS 6.3.2. IF THE REBAR IS NOT LONG ENOUGH TO CARRY CONTINUOUSLY, THEN TIE TWO PIECES OF REBAR PER THE LATEST MDOT SPECIFICATIONS
- CONCRETE SIDEWALK JOINTING UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION 7.1. PLACE TRANSVERSE CONTRACTION JOINTS EQUAL TO THE WIDTH OF THE WALK WHEN WIDTH IS LESS THAN 8'
- 7.2. PLACE TRANSVERSE AND LONGITUDINAL CONTRACTION JOINTS EQUAL TO 1/2 THE WIDTH OF THE WALK WHEN WIDTH IS EQUAL TO OR GREATER THAN 8
- 7.3. PLACE 1" EXPANSION JOINT WHERE ABUTTING SIDEWALK RAMP AND/OR RADIUS IN INTERSECTION
- 7.4. PLACE TRANSVERSE 1/2" EXPANSION JOINT AT MAXIMUM OF 100' SPACING 7.5. PLACE 1/2" EXPANSION JOINT WHEN ABUTTING A FIXED STRUCTURE,
- OTHER PAVEMENT (CONCRETE PAVEMENT AND DRIVE APPROACHES), UTILITY STRUCTURES, LIGHT POLE BASES AND COLUMNS.
- 7.6. WHEN ALONG A CURVE, JOINTS MUST BE PERPENDICULAR TO THE CURVE WITH A MINIMUM LENGTH OF 1 FOOT BEFORE INTERSECTING ANOTHER JOINT(S) IN ANY DIRECTION. NO JOINTS ARE ALLOWED TO BE CUT AT AN ANGLÉ OTHER THAN 90° AT THE CURBLINE

UNLESS APPROVED IN ADVANCE AND IN WRITING BY THE ENGINEER, ANY MATERIAL SUBMITTALS PROVIDED TO THE ENGINEER FOR REVIEW IN ADDITION TO THIS LIST SHALL BE RETURNED TO THE CONTRACTOR WITHOUT A REVIEW BEING PERFORMED. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES UTILITY TRENCH BACKFILL MATERIAL WITH ALL MATERIAL DATA INCLUDED IN

UNLESS REQUIRED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE

GENERAL GRADING AND EARTHWORK NOTES:

THE CONTRACTOR

REMOVE ALL THAT ARE NECESSARY TO GRADE SITE.

ACCORDANCE WITH THE PLANS AND SPECIFIACTIONS.

AND SEDIMENTATION CONTROL MEASURES AND NOTES.

ALL LANDSCAPING IS TO BE COMPLETED BY STALLANTIS.

EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.

CLASSIFIED AS SUBGRADE UNDERCUTTING.

SHALL BE CONSIDERED INCIDENTAL TO THE JOB.

CONSTRUCTION MATERIAL SUBMITTALS

PROOFROLLED USING A FULLY LOADED TANDEM AXLE TRUCK OR FRONT END

LOADER UNDER THE OBSERVATION OF A GEOTECHNICAL/PAVEMENT

THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE

ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.

- THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER 3. STORM SEWER STRUCTURES
- 4. STORM SEWER STRUCTURE FRAME AND COVERS INCLUDING CLEAN OUTS 5. PAVEMENT AGGREGATE BASE MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL
- UNLESS APPROVED OTHERWISE BY THE ENGINEER 6. PAVEMENT UNDERDRAIN MATERIAL AND BACKFILL WITH ALL BACKFILL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS
- OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER . PAVEMENT MIX DESIGNS SUBMITTED FOR REVIEW BY THE ENGINEER MUST FOLLOW THE CURRENT MOOT REVIEW CHECKLISTS AS SUMMARIZED BELOW AND ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN
- 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER: •8.1. CONCRETE MIX DESIGN REVIEW CHECKLIST (FORM 2000) •8.2. SUPERPAVE MIX DESIGN CHECKLIST (FORM 1862) •8.3. MARSHALL MIX DESIGN CHECKLIST (FORM 1849)
- 8. SITE FENCING AND GATES
- . ANY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY STATE FOR THE CONTRACTOR TO SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
- ANY SPECIALITY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY DO NOT STATE FOR THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW BUT THE CONTRACTOR REQUESTS TO BE REVIEWED. THE CONTRACTOR'S REQUEST FOR REVIEW MUST BE IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO SUBMITTING THE INFORMATION.

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TREES AND BRUSH AND

THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE WORK AREA BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND RISK OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES IS SHALL MEET THE REQUIREMENTS OF THE AUTHORIZED PUBLIC AGENCY OF JURISDICTION.

ALL EARTHWORK AND GRADING OPERATIONS SHALL BE PERFORMED IN 6. REFER TO SOIL EROSION CONTROL PLAN FOR ADDITIONAL SOIL EROSION

THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOF UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, IN THE OPINION OF THE THIRD PARTY TESTING COMPANY, THAT ARE TO BE WITHIN THE ZONE OF

FREE OF FROZEN SOIL, ORGANICS, OR OTHER DELETERIOUS MATERIALS. 0. THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY

ENGINEER. LOOSE OR YIELDING AREAS THAT CANNOT BE MECHANICALLY STABILIZED SHOULD BE REINFORCED USING GEOGRIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS. THE REMOVAL OF EXISTING SOIL TO GET TO FINAL SUBGRADE ELEVATION SHALL NOT BE CONSIDERED SUBGRADE UNDERCUTTING. IT IS PART OF THE EARTHWORKS TO BALANCE THE SITE AND ESTABLISH THE ELEVATIONS FOR

THE PLACEMENT OF THE PROPOSED PAVEMENT ELEVATIONS. THIS SHALL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE EARTHWORKS FOR 2. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED

TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE OPSOIL IN FILL AREAS OR BELOW SUBGRADE IN CUT AREAS WILL BE 3. SUBGRADE UNDERCUTTING SHALL BE PERFORMED WHERE NECESSARY AND

CONTRACTOR. ANY SUBGRADE UNDERCUTTING SHALL BE BACKFILLED AS RECOMMENDED IN THE GEOTECHNICAL ENGINEERING REPORT FOR THE 4. ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY

CONTRACTOR SHALL ONLY SUBMIT THE FOLLOWING CONSTRUCTION MATERIAL SUBMITTALS, AS APPLICABLE TO THE PLANS, FOR REVIEW BY THE ENGINEER.

INFLUENCE OF PROPOSED BUILDINGS OR PAVEMENT SHALL BE COMPLETELY ON-SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED. IF ON-SITE SOIL IS USED, IT SHOULD BE CLEAN AND

CONTRACTOR SHALL INSPECT ALL EXISTING PUBLIC STORM SEWER, SANITARY SEWER AND WATER MAIN STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION AND WITH THE GOVERNING AGENCY INSPECTOR PRIOR TO ESTABLISHING FINAL GRADE. NOTIFY THE ENGINEER, OWNER/DEVELOPER, AND GOVERNING AGENCY IF STRUCTURE IS DEEMED TO BE STRUCTURALLY UNSOUND AND/OR IN NEED OF REPAIR.

STORM SEWER NOTES:

GENERAL UTILITY NOTES:

90% OR BETTÈR.

UTILITIES.

ALL STORM SEWER LEADS SHALL BE CONSTRUCTED AT 1.00% MINIMUM

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF TROY.

ALL TRENCHES UNDER OR WITHIN THREE (3) FEET OR THE FORTY-FIVE (45)

DEGREE ZONE OF INFLUENCE LINE OF EXISTING AND/OR PROPOSED PAVEMENT, BUILDING PAD OR DRIVE APPROACH SHALL BE BACKFILLED WITH

SAND COMPACTED TO AT LEAST NINETY-FIVE (95) PERCENT OF MAXIMUM

UNIT WEIGHT (ASTM D-1557). ALL OTHER TRENCHES TO BE COMPACTED TO

HOLES 4" CENTER TO CENTER, AROUND PERIPHERY OF OPENING TO CREATE

WHERE EXISTING MANHOLES OR SEWER PIPE ARE TO BE TAPPED, DRILL

THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING

UNCOVERING AND MEASURING. THE DESIGN ENGINEER DOES NOT

UTILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT

GUARANTEE THE ACCURACY OF THIS INFORMATION OR THAT ALL EXISTING

UNDERGROUND FACILITIES ARE SHOWN. CONTRACTOR SHALL FIELD VERIFY

THE CONTRACTOR SHALL COORDINATE TO ENSURE ALL REQUIRED PIPES, CONDUITS, CABLES AND SLEEVES ARE PROPERLY PLACED FOR THE INSTALLATION OF GAS, ELECTRIC, PHONE, CABLE, IRRIGATION, ETC. IN SUCH

A MANNER THAT WILL FACILITATE THEIR PROPER INSTALLATION PRIOR TO

PIPE LENGTHS INDICATED ARE FROM CENTER OF STRUCTURE AND TO END

THE PLACEMENT OF THE PROPOSED PAVEMENT AND LANDSCAPING.

A PLANE OF WEAKNESS JOINT BEFORE BREAKING SECTION OUT.

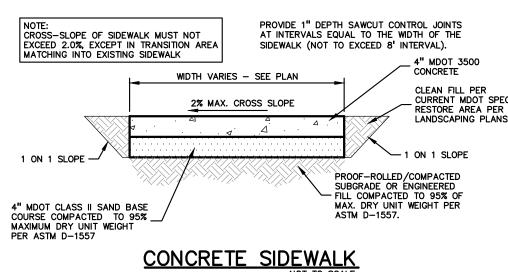
ALL STORM SEWER 10" OR LESS AND/OR LEADS SHALL BE SDR 26. JOINTS FOR P.V.C. PIPE SHALL BE ELASTOMERIC (RUBBER GASKET) AS SPECIFIED IN A.S.T.M. DESIGNATION D-3212.

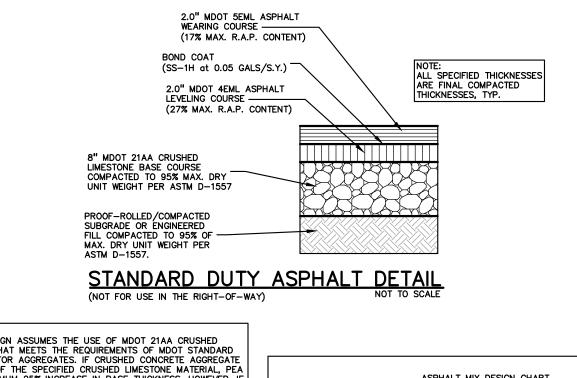
#### GENERAL BARRIER FREE NOTES:

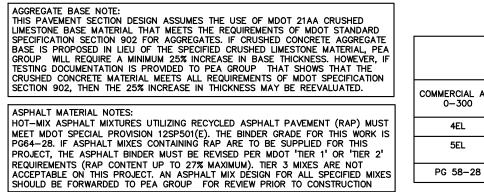
OF SECTION UNLESS NOTED OTHERWISE.

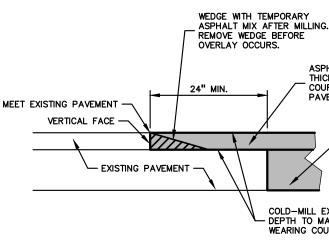
THE FOLLOWING NOTES PROVIDE AN OUTLINE OF SOME OF THE REQUIREMENTS CONTAINED WITHIN THE "STANDARDS FOR ACCESSIBLE DESIGN - AMERICANS WITH DISABILITIES ACT 2010", AND "ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES", ICC/ANSI A117.1-2009. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE REQUIREMENTS PRESENTED WITHIN THESE DOCUMENTS, WHICH ARE AVAILABLE IN FULL UPON REQUEST.

- AN ACCESSIBLE ROUTE CONSISTS OF WALK SURFACES, CURB RAMPS AND RAMPS. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES, ACCESSIBLE PASSENGER LOADING ZONES, PUBLIC STREETS AND SIDEWALKS, AND PUBLIC TRANSPORTATION STOPS TO THE BUILDING OR FACILITY ENTRANCE THEY SERVE.
- THE RUNNING SLOPE OF ALL WALKING SURFACES SHALL NOT EXCEED 5% (1:20) AND THE CROSS-SLOPE SHALL NOT EXCEED 2% (1:48). WALKING SURFACES MUST BE LEVEL WITH PERMITTED VERTICAL CHANGES IN LEVEL NOT TO EXCEED 1/4", OR BEVELED CHANGES IN LEVEL NOT TO
- EXCEED 1/2". REFER TO DETAIL DET-8 THIS SHEET. ANY CHANGE IN LEVEL GREATER THAN 1/2" MUST BE RAMPED. TURNING SPACES ALONG ACCESSIBLE ROUTES MUST BE AT LEAST 5 FEET WIDE IN ALL DIRECTIONS AND NOT EXCEED 2% SLOPE (1:48) IN ANY
- DIRECTION. ACCESSIBLE ROUTES WILL BE DESIGNED TO BE A MINIMUM OF 5 FEET WIDE. THE MINIMUM CLEAR WIDTH IS 3 FEET. RAMPS ALONG ACCESSIBLE ROUTES WILL HAVE A RUNNING SLOPE GREATER
- THAN 5% (1:20) AND LESS THAN 8.3% (1:12). THE CROSS-SLOPE OF RAMP RUNS SHALL NOT EXCEED 2% (1:48) THE MINIMUM CLEAR WIDTH OF ANY RAMP IS 36 INCHES
- THE MAXIMUM RISE FOR ANY RAMP (NOT INCLUDING CURB RAMPS) SHALL NOT EXCEED 30 INCHES. LANDINGS ARE REQUIRED AT THE TOP AND BOTTOM OF EACH RAMP. LANDINGS SHALL HAVE A CROSS-SLOPE NOT EXCEEDING 2% (1:48), SHALL BE 5 FEET LONG AND AT LEAST AS WIDE AS THE RAMP CLEAR WIDTH. IF THERE IS A CHANGE OF DIRECTION AT A LANDING, THEN THE LANDING MUST BE AT LEAST 5 FEET WIDE AND 5 FEET
- 0. CURB RAMPS ALONG ACCESSIBLE ROUTES SHALL NOT RISE MORE THAN 6 INCHES, NOR BE STEEPER THAN 8.3% (1:12). APPROACHING SLOPES TO THE RAMP CANNOT EXCEED 5%, WHICH INCLUDES SIDEWALKS, PAVEMENT, GUTTERS ETC IF CURB RAMP SIDES ARE FLARED. THE FLARES SHALL NOT BE STEEPER
- THAN 10% (1:10). 12. LANDINGS ARE REQUIRED AT THE TOP OF ALL CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE A MINIMUM OF 36" AND WILL BE AS WIDE AS THE CURB RAMP. 3. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
- 14. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. 15. WHERE DETECTABLE WARNING IS REQUIRED AT CURB RAMPS, THE DETECTABLE WARNING SHALL BE 24" MINIMUM IN DEPTH AND SHALL EXTEND THE FULL WIDTH OF THE RAMP. THE DETECTABLE WARNING SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE CURB LINE.
- 6. ACCESSIBLE PARKING SPACES ON SITE SHALL BE PROVIDED AS REQUIRED IN SECTION 502 OF THE A.D.A. IF THE SITE HAS MORE THAN ONE PARKING FACILITY, EACH FACILITY IS REQUIRED TO MEET THESE REQUIREMENTS SEPARATELY. THE REQUIRED NUMBER OF SPACES SHALL BE BASED ON THE TOTAL NUMBER OF PARKING SPACES IN EACH PARKING FACILITY ON SITE. 7. FOR EVERY SIX OR FRACTION OF SIX ACCESSIBLE PARKING SPACES, ONE
- VAN ACCESSIBLE SPACE SHALL BE PROVIDED. 18. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM PARKING TO A BUILDING ENTRANCE. IF THERE IS MORE THAN ONE ACCESSIBLE ENTRANCE, PARKING SHALL BE DISPERSED ALONG THE SHORTEST ACCESSIBLE ROUTE TO THE ACCESSIBLE ENTRANCES. BARRIER FREE CAR PARKING SPACES SHALL BE A MINIMUM OF 8 FEET WIDE WITH AN ACCESS AISLE 5 FEET WIDE MINIMUM. VAN ACCESSIBLE PARKING SPACES SHALL BE AT LEAST 11 FEET WIDE WITH A 5' WIDE ACCESS AISLE. VAN ACCESSIBLE SPACES ARE ALSO ACCEPTABLE WITH AN 8 FOOT WIDTH
- AND 8 FOOT WIDE ACCESS AISLE. THE ACCESS AISLE IN ALL CASES MUST EXTEND THE FULL LENGTH OF THE PARKING SPACE. 20. SURFACE SLOPES WITHIN THE PARKING SPACES AND AISLES SHALL NOT EXCEED 2% (1:48)
- 21. ACCESSIBLE AREA'S INCLUDING PARKING SPACES, AISLES AND PATHWAYS, REQUIRE A MINIMUM VERTICAL CLEARANCE OF 98 INCHES. 22. ACCESSIBLE PARKING SPACES ARE REQUIRED TO BE IDENTIFIED BY SIGNS. THE SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY VAN PARKING SPACES ARE REQUIRED TO BE DESIGNATED AS "VAN ACCESSIBLE". REFER TO DETAILS ON THIS SHEET.



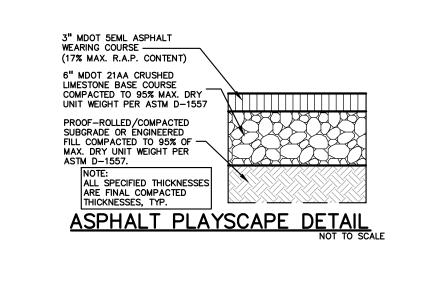


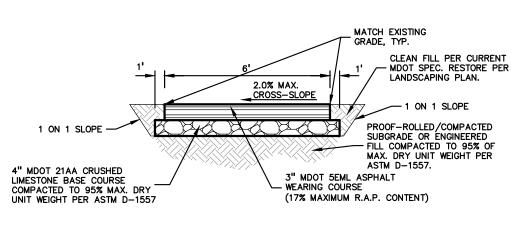




BUTT JOINT DETAIL

	ASPHALT MIX DESIGN CHART				
DT	COMMERCIAL ADT 301-1000	COMMERCIAL ADT 1001-3400	COMMERCIAL ADT ≥3401	APPLICATION RATE (LB/YD²), MINIMUM - MAXIMUM	
	4EML	4EMH	4EMH	220–275	
	5EML	5EMH	SMA OR 5EMH	165–220	
	PG 64-28	PG 64-28	PG 70-28P		



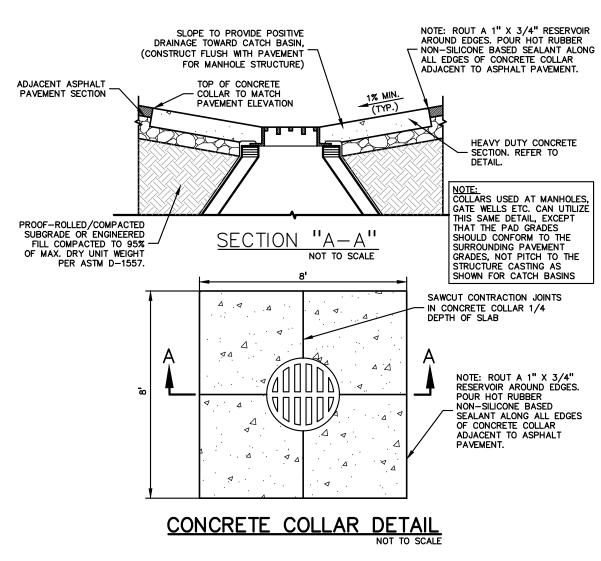


ASPHALT PATHWAY DETAIL

AGGREGATE BASE NOTE: THIS PAVEMENT SECTION DESIGN ASSUMES THE USE OF MDOT 21AA CRUSHED LIMESTONE BASE MATERIAL THAT MEETS THE REQUIREMENTS OF MDOT STANDARD SPECIFICATION SECTION 902 FOR AGGREGATES. IF CRUSHED CONCRETE AGGREGATE BASE IS PROPOSED IN LIEU OF THE SPECIFIED CRUSHED LIMESTONE MATERIAL, PEA GROUP WILL REQUIRE A MINIMUM 25% INCREASE IN BASE THICKNESS. HOWEVER, IF TESTING DOCUMENTATION IS PROVIDED TO PEA GROUP THAT SHOWS THAT THE CRUSHED CONCRETE MATERIAL MEETS ALL REQUIREMENTS OF MDOT SPECIFICATION SECTION 902, THEN THE 25% INCREASE IN THICKNESS MAY BE REEVALUATED. ASPHALT MATERIAL NOTES: HOT-MIX ASPHALT MIXTURES UTILIZING RECYCLED ASPHALT PAVEMENT (RAP) MUST MEET MOOT SPECIAL PROVISION 12SP501(E). THE BINDER GRADE FOR THIS WORK IS PG58-22. IF ASPHALT MIXES CONTAINING RAP ARE TO BE SUPPLIED FOR THIS PROJECT, THE ASPHALT BINDER MUST BE REVISED PER MOOT 'TIER 1' OR 'TIER 2'

REQUIREMENTS (RAP CONTENT UP TO 27% MAXIMUM). TIER 3 MIXES ARE NOT ACCEPTABLE ON THIS PROJECT. AN ASPHALT MIX DESIGN FOR ALL SPECIFIED MIXES SHOULD BE FORWARDED TO PEA GROUP FOR REVIEW PRIOR TO CONSTRUCTION

BASE NOTE: IN LOCATIONS WHERE THE PROPOSED ASPHALT PATHWAY MATCHES THE EXISTING PATHWAY, IF THE EXISTING BASE MATERIAL IS ADEQUATE IN BOTH DEPTH AND GRADATION, IT CAN BE REUSED. IF EITHER OF THESE IS INADEQUATE, THE BASE MATERIAL SHOULD BE REMOVED AND REPLACED TO THE SPECIFIED REQUIREMENT.



ASPHALT OVERLAY. MATCH THICKNESS OF WEARING COURSE OF ADJACENT NEW PAVEMENT, TYP. PROPOSED PAVEMEN SECTION. REFER TO DETAIL COLD-MILL EXISTING SURFACE. - DEPTH TO MATCH NEW PAVEMENT



PROJECT NO. **22088B** 

**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	WL
APPROVED	TD

#### Troy, Michigan DRAWING TITLE Notes & Details

**Troy School District** 

Playground Remodel **Bid Package No.01B** 

**PROJECT TITLE** Costello **Elementary School** 1333 HAMMAN DRIVE



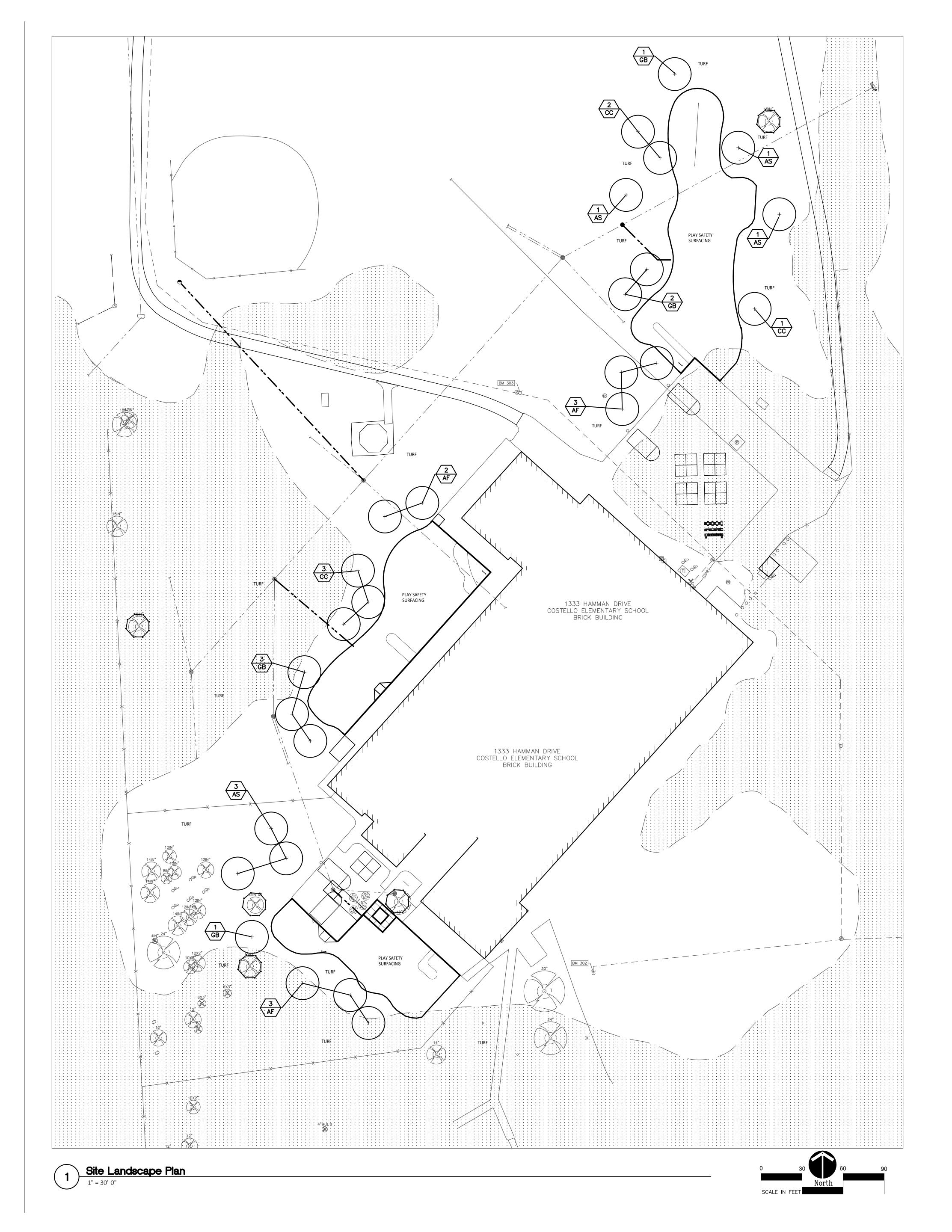
CONSULTANT

1191 WEST SQUARE LAKE ROAD BLOOMFIELD HILLS • MICHIGAN • 48302 PH • 248.338.4561 FX • 248.338.0223 EM · INFO @ TMP-ARCHITECTURE.COM

**REGISTRATION SEAL** 

TMP ARCHITECTURE INC



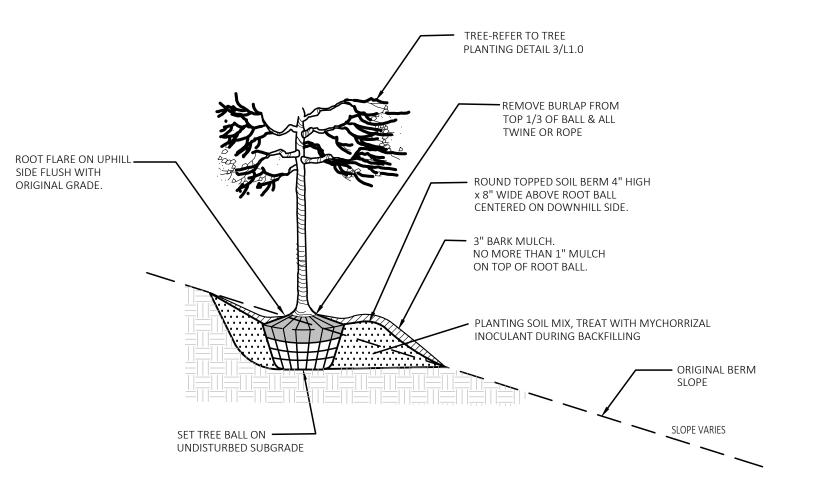


SYMBOL	DESCRIPTION	DETAIL	1.	SURVEY OF EXISTING CONDITIONS PROVIDED BY PEA GROUP, 1849 POND RUN, AUBURN HILLS, MICHIGAN, 48326, (248)689-9090.
+	DECIDUOUS TREE	2 & 3/L1.0	2.	CALL "MISS DIG" AND VERIFY ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171. ANY UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
	PLANT TAG- REFERS TO TYPE AND NUI	/IBER OF PLANTINGS	3.	ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHOULD BE REPORTED TO THE CONSTRUCTION MANAGER IMMEDIATELY FOR RESOLUTION.
	TO BE PROVIDED AND MAINTAINED B	Y CONTRACTOR.	4.	IN AREAS OF NEW TURF PLACE 4" MINIMUM TOPSOIL, FINE GRADE & ESTABLISH TURF WITHIN SEED LIMIT LINES.
			5.	PLACE SHREDDED HARDWOOD MULCH TO A 3" DEPTH IN ALL TREE & SHRUB BEDS & TO A 2" DEPTH IN ALL GROUND COVER BEDS.
			6.	UNLESS OTHERWISE NOTED, TOPSOIL, FINE GRADE AND SEED ALL DISTURBED AREAS WITHIN THE SEEDING LIMIT SHOWN AND AREAS DISTURBED BY CONSTRUCTION.
			7.	REPAIR AND RESTORE ANY DAMAGE OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION.
			8.	PROTECT ALL TREES AND EXISTING FEATURES TO REMAIN AS SPECIFIED.
			9.	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.
			10.	ALL NURSERY STOCK SHALL BE TRUE TO TYPE AND NAME. ALL STOCK SHALL BE FIRST CLASS QUALITY WITH WELL DEVELOPED BRANCH SYSTEMS AND VIGOROUS HEALTHY ROOT SYSTEMS. ALL STOCK SHALL BE WELL FORMED AND THE TRUNKS OF TREES SHALL BE UNIFORM AND STRAIGHT.
			11.	CONTRACTOR RESPONSIBLE TO LOCATE SITE LIGHTING SERVICES. CONTRACTOR RESPONSIBLE TO NOTIFY CONSTRUCTION MANAGER IF DAMAGE TO LIGHTING ELECTRICAL DISTRIBUTION OCCURS.
			12	ALL AREAS OF TREE CLEARING SHALL BE STAKED FOR ARCHITECTS APPROVAL PRIOR TO CLEARING.

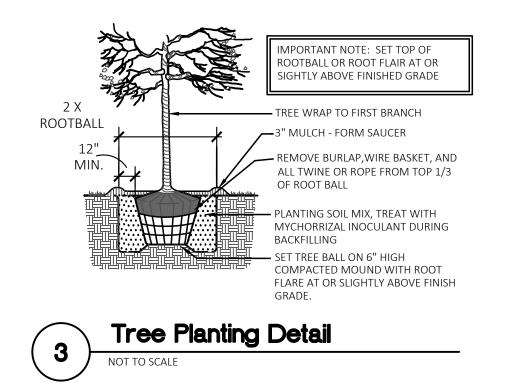
#### 13. UNLESS OTHERWISE SPECIFIED, ALL PERENNIALS, GRASSES AND GROUNDCOVERS SHALL BE GROWN IN THEIR CONTAINER FOR ONE YEAR PRIOR TO INSTALLATION.

#### PLANT LIST:

	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	STATUS
	AF	Acer x freemanii 'Marmo'	Marmo Freeman Maple	2" CAL.	B&B	PER PLANS	NATIVAR
TREES	AS	Acer saccharum 'Commemoration'	Commemoration Sugar Maple	2" CAL.	B&B	PER PLANS	NATIVE
IKEES	CC	Carpinus caroliniana	Hornbeam	2" CAL.	B&B	PER PLANS	NATIVE
	GB	Ginkgo biloba 'Autumn Gold'	Autumn Gold Gingko Tree (no female)	2" CAL.	B&B	PER PLANS	NON-NATIVE



#### 2 Tree On Berm Detail 1/4 Slope or Greater NOT TO SCALE





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Kalamazoo Michigan 49007 Phone (269) 381-3357

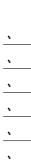
Parks & Recreation Campus & Institutional Planning Camp Planning & Design

Fax (269) 381-2944

Landscape Architecture Urban Planning







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







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