# DOWNERS GROVE GRADE SCHOOL DISTRICT 58 INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

6235 STONEWALL AVENUE DOWNERS GROVE, IL 60516

**CIVIL ENGINEER:** 

CONTACT: DAVID EVANS

2500 NORTH FRONTAGE ROAD

Design Firm Registration #184-000451

WIGHT & COMPANY

DARIEN, IL 60561 PHONE: (630)969-7000

FAX: (630)969-7979

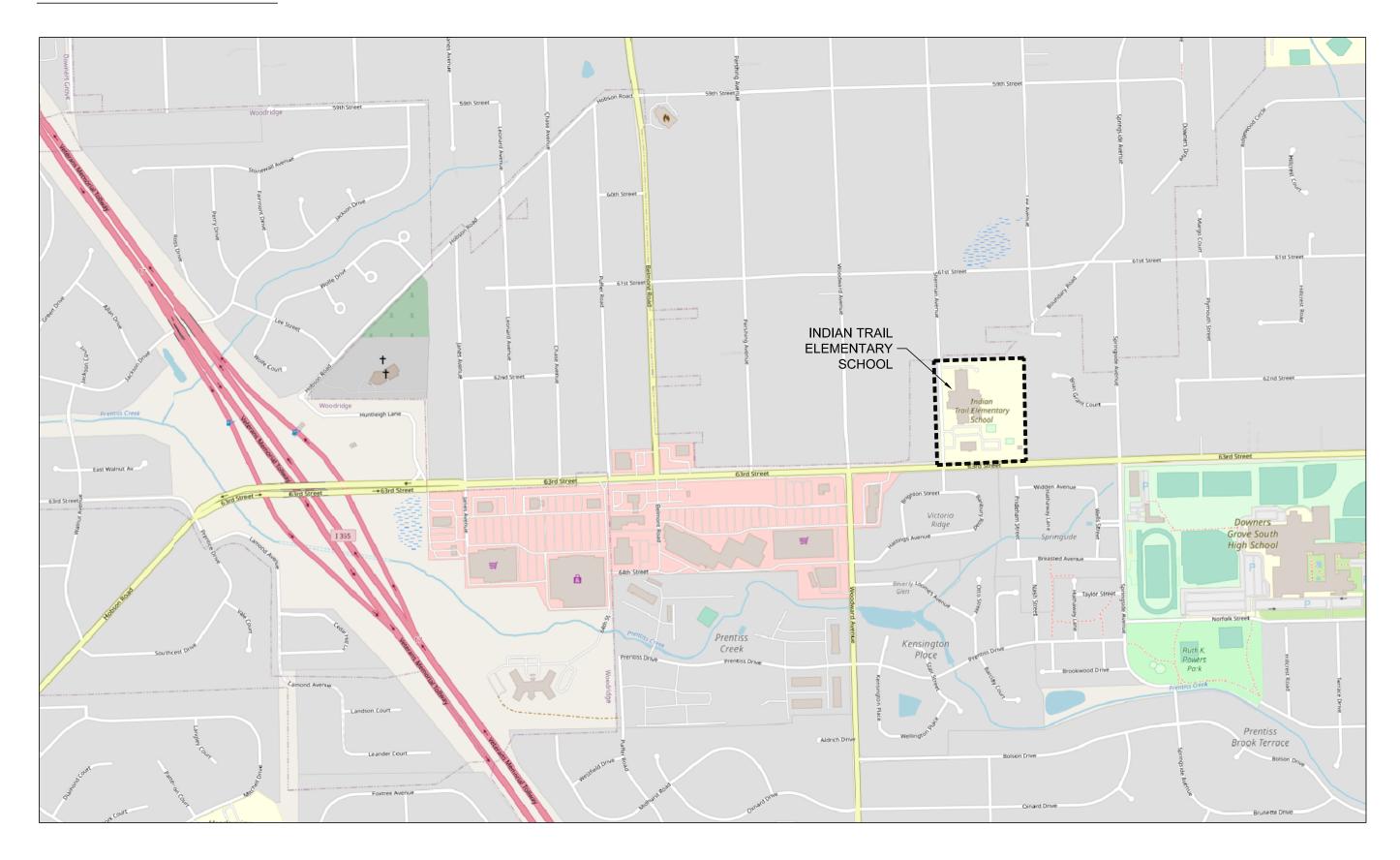
#### **PROJECT TEAM**

#### CLIENT:

DOWNERS GROVE SCHOOL DISTRICT 58 1435 PRAIRIE AVENUE PHONE: 630-719-5858 CONTACT: KEVIN BARTO

WIGHT & COMPANY
2500 NORTH FRONTAGE ROAD
DARIEN, IL 60561
PHONE: (630)969-7000
FAX: (630)969-7979
CONTACT: PATTY KING
Design Firm Registration #184-000451

#### **LOCATION MAP**



#### **INDEX OF DRAWINGS**

CO.00 COVER SHEET

C0.01 GENERAL NOTES

C1.00 OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

C1.01 EXISTING CONDITIONS AND DEMOLITION PLAN ENLARGEMENT

2.00 OVERALL SITE PLAN

C2.01 SITE PLAN ENLARGEMENT

C3.00 OVERALL GRADING AND DRAINAGE PLAN
C3.01 GRADING AND DRAINAGE PLAN ENLARGEMENT

C3.02 UTILITY PROFILE PLAN

C4.00-C4.01 CIVIL DETAILS

LANDSCAPE

L1.00 OVERALL LANDSCAPE PLAN

#### **UTILIITY LOCATE**

FOR UNDERGROUND UTILITY LOCATIONS, CALL J.U.L.I.E. TOLL FREE (800) 892-0123

JULIE SUBURBS & DIGG CHICAGO

•	YELLOW ———	GAS
0	RED	ELECTRICAL
•	ORANGE ————	PHONE / TV COMMUNICATIO
•	BLUE ———	WATER
•	GREEN ————	SEWERS

SAFE TO DIG

#### **BENCHMARKS**

#### REFERENCE:

DUPAGE COUNTY 2006 GEODETIC SURVEY MONUMENT DGN19002
 "DOWNERS GROVE SOUTH" (PID MF1251)- STEEL ROD WITH A
 BERNTSEN LID AND PVS SLEEVE NEAR THE SOUTHWEST CORNER OF
 THE INTERSECTION OF 63RD STREET AND DUNHAM ROAD. STATION IS
 145 FEET SOUTH OF THE CENTERLINE OF 63RD STREET AND 42 FEET
 WEST OF THE CENTERLINE OF DUNHAM ROAD.

ELEVATION: 745.59 (NAVD 88)

#### SITE:

 CP 1 - MAG NAIL IN CUL-DE-SAC NORTHEAST OF BUILDING. SAID MAG NAIL IS 70± FEET NORTHEAST OF THE NORTHEAST CORNER OF SAID BUILDING AND 133± FEET NORTH WEST OF THE NORTHEAST CORNER OF THE NORTH PARKING LOT.

ELEVATION: 741.72

2. BM 2 - CUT CROSS IN CONCRETE CURB AND GUTTER OPPOSITE
CENTER DOORWAY TO ALONG THE EAST FACE OF BUILDING, 55± FEET
NORTH OF BASKETBALL HOOP AND 116± FEET NORTHEAST OF THE
SOUTHEAST BUILDING CORNER.

ELEVATION: 740.84

3. BM 3 - CUT CROSS IN CONCRETE LIGHTPOLE BASE 6± FEET NORTH OF EDGE OF PAVEMENT AND 59± FEET NORTHWEST OF THE NORTHEAST CORNER OF SOUTH PARKING LOT.

ELEVATION: 737.51

#### **ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT THE DEVELOPMENT MEETS THE SOIL EROSION AND SEDIMENT CONTROL DESIGN CRITERIA FOUND IN ARTICLE 26.900. TO THE BEST OF MY KNOWLEDGE THERE ARE NO KNOWN FLOODPLAINS, WETALNDS, AND/OR BUFFERS LOCATED ON THE SITE. THERE IS A LPDA ON THE SITE.

DATED AT DARIEN, ILLINOIS,

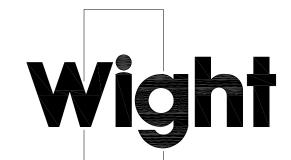
THIS \_\_\_\_DAY OF\_\_\_\_\_, 2023

SIGNED:

**ENGINEER** 

EXPIRATION DATE: NOVEMBER, 30, 2023

DOWNERS GROVE GRADE SD 58



Wight & Company wightco.com

2500 North Frontage Road

Darien, IL 60561

P 630.969.7000 F 630.969.7979

ISSUED FOR BID 02/16/23
ISSUED FOR PERMIT 01/24/23
REV DESCRIPTION DATE

INDIAN TRAIL
ELEMENTARY SCHOOL
PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

**COVER SHEET** 

LMB

Project Number: Scale:
200032

Drawn By:

C0.00

- ELEVATIONS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAVD 88 DATUM.
- THE TRADE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL ABIDE BY THE REQUIREMENTS
- ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT ARE HEREIN INCORPORATED BY
- NO BURNING OR INCINERATION OF RUBBISH IS PERMITTED ON THE SITE.
- STREET AND DRIVEWAY PAVEMENT SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE SHALL BE REPAIRED PER THE VILLAGE OF DOWNERS GROVE REQUIREMENTS. MATERIALS AND WORKMANSHIP OF REPAIRS SHALL CONFORM TO THE "IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS (LATEST EDITION), THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION)", HEREIN AFTER REFERRED TO AS 'STANDARD SPECIFICATIONS' AND THE VILLAGE OF DOWNERS GROVE REQUIREMENTS.
- THE "DEVELOPMENT REGULATIONS". LATEST EDITION, AS ADOPTED BY THE VILLAGE OF DOWNERS GROVE, ILLINOIS, HEREIN AFTER REFERRED TO AS THE "DEVELOPMENT REGULATIONS". INCLUDING ALL VILLAGE STANDARD DETAILS AND SPECIFICATIONS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION)" PREPARED BY ILLÍNOIS DEPARTMENT OF TRANSPORTATION (IDOT), HEREIN AFTER REFERRED TO`AS THE "STANDARD SPECIFICATIONS"; AND ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ILLINOIS URBAN MANUAL, LATEST EDITION, AND "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", HEREIN AFTER REFERRED TO AS "ISPE STANDARDS" SHALL GOVERN THE CONSTRUCTION OF THESE IMPROVEMENTS EXCEPT AS MODIFIED BY THE CONTRACT
- ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS OF THE VILLAGE OF DOWNERS GROVE, ILLINOIS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, HEREIN AFTER REFERRED TO AS ISPE STANDARDS.
- ALL FACILITIES OR LANDSCAPING DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE
- PROPOSED ELEVATIONS INDICATE FINISHED GRADES. FOR SUBGRADE ELEVATIONS, ALLOW FOR THICKNESS OF PROPOSED
- THE TRADE CONTRACTOR SHALL NOTIFY THE VILLAGE OF DOWNERS GROVE, ILLINOIS 48 HOURS BEFORE THE
- 2. SHOULD THE TRADE CONTRACTOR ENCOUNTER FIELD DRAINAGE TILE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER AND THE VILLAGE OF DOWNERS GROVE FOR INSTRUCTIONS. SHOULD THE ENGINEER OR VILLAGE OF DOWNERS GROVE INSTRUCT THAT DAMAGED FIELD TILES BE RESTORED TO THEIR ORIGINAL CONDITION, THAT REPAIR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE LOCATION OF FOUND DRAINAGE TILE SHALL BE INDICATED ON THE RECORD DRAWINGS.
- ALL TRENCHES SHOULD FOLLOW THE VILLAGE OF DOWNERS GROVE STANDARD DETAILS INCLUDED IN THE CIVIL DETAILS. TRENCHES ARE TO BE BACKFILLED WITH TRENCH BACKFILL AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY, AS REQUIRED BY THE VILLAGE OF DOWNERS GROVE AND THE ISPE STANDARDS.
- TRADE CONTRACTOR IS RESPONSIBLE FOR CALLING J.U.L.I.E. AT 1-800-892-0123 OR 811 AND NOTIFYING THE CONSTRUCTION MANAGER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING
- ALL DIMENSIONS, CURB RADII AND ELEVATIONS REFER TO THE BACK OF CURB WHERE CURB IS SHOWN. COORDINATES ARE TO BACK OF CURB, CENTER OF STRUCTURES OR AS SHOWN.
- WHERE PAVEMENT, CURB OR SIDEWALK REMOVAL IS REQUIRED, THE TRADE CONTRACTOR SHALL SAW CUT THE
- BOUNDARIES OF THE AREA TO BE REMOVED PRIOR TO DEMOLITION. TRADE CONTRACTOR IS RESPONSIBLE FOR LAYOUT, LINE AND GRADE FOR ITEMS INCLUDED IN THE CONTRACT SCOPE OF
- WORK. CONTRACTOR TO USE CAD FILES AS PROVIDED BY THE ENGINEER FOR GEOMETRIC LAYOUT. 8. TRADE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE PUBLIC STREET CLEAN OF DEBRIS.
- 19. "BAND SEAL" JOINTS WITH STAINLESS STEEL STRAPS AND BOLTS SHALL BE USED WHEN CONNECTING DISSIMILAR
- 20. ALL EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISH GRADE. ALL EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS SHALL BE ALLOWED.
- 21. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION AND/OR ELEVATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CONSTRUCTION MANAGER SO THAT THE
- . THE CONTRACTOR IS RESPONSIBLE FOR ALL AS-BUILT SURVEYS. ALL AS-BUILT SURVEYS SHALL BE COMPLETED BY A PROFESSIONAL LAND SURVEYOR AND BE SIGNED AND SEALED. THE CONTRACTOR SHALL SUBMIT TWO SETS OF THE "AS-BUILT" FINAL ENGINEERING DRAWINGS (I.E. RECORD DRAWINGS) AND STORMWATER MANAGEMENT CALCULATIONS UPON COMPLETION OF IMPROVEMENTS AND INCLUDE ELECTRONIC CAD FILES. THE RECORD DRAWINGS SHOULD AT LEAST INCLUDE THE FOLLOWING INFORMATION: AS-BUILT DETENTION CONTOURS. ELEVATIONS (INCLUDING DETENTION BASIN TOP OF BERM AND OVERFLOW WEIR GRADES) AND VOLUME (VERIFIED, SIGNED, & SEALED BY À PROFESSIONAL ENGINEER (PE) OR PROFESSIONAL LAND SURVEYOR (PLŚ)); ELEVATION, AND LOCATION (TIES TO TWO POINTS) OF ALL NEW STRUCTURES INCLUDING FIRE HYDRANTS, VALVE BOXES AND VAULTS, LINESTOP SLEEVES, WATER SERVICE CORPORATION STOPS, WATER MAIN FITTINGS/BENDS, MANHOLES, SANITARY SERVICE WYES (MEASURED FROM DOWNSTREAM MANHOLE), ALL STORM/SANITARY SEWER STRUCTURES (INCLUDING INVERTS AND PIPE SIZES). ALL PIPES (LOCATIONS, SLOPES, LENGTHS ETC.), OUTLET CONTROL STRUCTURES (INCLUDING RESTRICTOR SIZES AND ELEVATIONS PLUS TOP OF WALL) AND ABAŃDONED WATER OR SANITARY SERÙICE LINES. DETAILED TOPOGRAPHIC SURVEY OF ALL HIGH POINTS, LÓW POINTS, CHANGE OF SLOPE INCLUDING GUTTER GRADES. TOP OF CURB GRADES. PAVEMENT GRADES. SIDEWALK GRADES. RAMP GRADES, ETC. TO VERIFY POSITIVE DRAINAGE, ALL ELEVATIONS SHOULD BE REFERENCED TO THE SAME BENCHMARK DATUM AS THE ORIGINAL DESIGN PLANS, HORIZONTAL TIES SHALL BE REFERENCED TO LOT LINES, BACK OF CURB, OR PROPERTY CORNERS, WITHIN DETENTION/BMP AREAS, FOR VERIFICATION OF DETENTION VOLUME AND SUBBASE GRADES PRIOR TO BACK FILLING WITH CA-7. THE CONTRACTOR SHALL PROVIDE ENGINEER WITH A CERTIFIED TOPO SURVEY OF AS-BUILT SUBBASE GRADES FOR ENGINEER APPROVAL AND ALSO A COPY OF RECEIPT OF THE CA-7 AGGREGATE.
- 3. EMERGENCY VEHICLE ACCESS IS TO BE MAINTAINED THROUGHOUT DURATION OF PROJECT. VEHICLE ACCESS IS TO BE CLEARLY MARKED. ANY ALTERATION OF EMERGENCY VEHICLE ROUTE OR ACCESS IS TO BE APPROVED BY THE VILLAGE OF

VILLAGE CONTACT INFORMATION:

VILLAGE OF DOWNERS GROVE PUBLIC WORKS 5101 WALNUT AVENUE

UTILITY MARKINGS THROUGHOUT CONSTRUCTION

DOWNERS GROVE, IL 630-434-5461 CONTACT: ANDY SIKICH, DIRECTOR OF PUBLIC WORKS

- $^{24}$ .  $^{1}$ TWO HARD COPIES OF AN AS-BUILT FINAL GRADING SURVEY MUST BE SUBMITTED PRIOR TO SCHEDULING THE FINAL STORMWATER/RIGHT- OF-WAY INSPECTION FOR THE PROJECT. AS APPLICABLE, IT SHALL INCLUDE, BUT IS NOT LIMITED TO THE ITEMS LISTED IN SECTION 26.700.C OF THE DOWNERS GROVE MUNICIPAL CODE. BEFORE THE PERMIT CAN BE CLOSED, AN ELECTRONIC COPY OF THE APPROVED AS-BUILT GRADING SURVEY IS REQUIRED
- 5 25. A FINAL INSPECTION IS REQUIRED AFTER THE WORK IS COMPLETE AND THE SITE IS STABILIZED (GRASS GROWING WITH 70% COVERAGE OR SOD/PLANTS/MULCH PLACED). CALL COMMUNITY DEVELOPMENT AT 630-434-5529 TO SCHEDULE AT LEAST 48 HOURS IN ADVANCE. AS-BUILT DRAWINGS WILL BE REQUIRED AT THAT TIME.

#### TRAFFIC CONTROL

- THE TRADE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL (IDOT STANDARD 701006) AT ALL TIMES WHEN ANY VEHICLES, EQUIPMENT, WORKER, OR ACTIVITY ENCROACH ADJACENT ROADWAYS FROM 15 FEET TO THE EDGE OF PAVEMENT, THE TRADE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL (IDOT STANDARD 701501) WHEN ACTIVITY ENCROACHES THE EDGE
- IF THE OPERATION IS 15 FEET OR MORE, OFF THE EDGE OF PAVEMENT, NO SIGNING WILL BE REQUIRED UNLESS TWO OR MORE VEHICLES CROSS THE 15 FOOT CLEAR ZONE IN ONE HOUR
- WHEN WORKING WITHIN 2 FEET OF THE PAVEMENT EDGE, CONES, DRUMS, OR BARRICADES SHALL BE PLACED ACCORDING
- CONTRACTOR MUST FOLLOW ALL VILLAGE OF DOWNERS GROVE AND DUPAGE COUNTY DEPARTMENT OF TRANSPORTATION REQUIREMENTS FOR TRAFFIC CONTROL

#### HOT MIX ASPHALT PAVING

- SUBGRADE PREPARATION. BASE COURSE PLACEMENT, AND HMA PAVEMENT SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT
- DEPRESSIONS OF FINAL HMA SURFACES SHALL NOT EXCEED 1/4 INCH FROM PROPOSED CORRECTIONS TO NON-COMPLIANT AREAS ORDERED BY THE CONSTRUCTION MANAGER SHALL BE MADE AT NO ADDITIONAL CHARGE.
- ALL SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

#### STORM SEWER

- CONTRACTOR TO FOLLOW ALL VILLAGE OF DOWNERS GROVE REQUIREMENTS
- ALL STORM STRUCTURES AND SEWERS ARE TO BE CLEANED PRIOR TO FINAL ACCEPTANCE. THE TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING SEDIMENT FROM THE STORM SEWER STRUCTURES AND PIPES DURING CONSTRUCTION AND UNTIL 90% OF VEGETATION IS ESTABLISHED.
- MANHOLES, CATCH BASINS, INLETS, BEDDING AND TRENCH BACKFILL SHALL CONFORM TO THE CONSTRUCTION DETAILS, STANDARD SPECIFICATIONS AND ISPE SPECIFICATIONS.
- ALL STORM SEWER SHOULD BE PVC SDR 26 OR STRONGER.

#### **EARTHWORK**

- ALL AREAS SHALL BE CLEARED AND TILLED IN PREPARATION TO RECEIVE SEED. REFER TO SPECIFICATIONS FOR
- THE TRADE CONTRACTOR SHALL APPLY FERTILIZER AND SEED TO ALL DISTURBED AREAS, AS NOTED ON THE CONSTRUCTION DRAWINGS. TRADE CONTRACTOR SHALL APPLY FERTILIZER AND SEED USING THE HYDROSEED METHOD. FERTILIZER AND SEED QUANTITIES AND SEEDING PROCEDURES SHALL CONFORM TO THE SPECIFICATIONS.
- THE TRADE CONTRACTOR WILL INSPECT THE SEEDED AREAS AFTER SEEDING. TO RECEIVE FINAL ACCEPTANCE, SEEDED AREAS MUST SUPPORT DENSE, THRIVING GRASSES SUFFICIENT TO PROTECT THE SOIL FROM EROSION IN A MODERATE RAINFALL. AREAS THAT, IN THE OPINION OF THE OWNER & ENGINEER, DO NOT MEET THIS REQUIREMENT, MUST BE IMMEDIATELY RESERVED. REFER TO SPECIFICATIONS FOR ALL REQUIREMENTS
- TOPSOIL FOR RESTORATION AREAS SHALL COMPLY WITH THE STANDARD SPECIFICATIONS. TOPSOIL MAY BE SALVAGED FROM THE SITE AND STOCKPILED FOR REUSE WHEN ALL WORK IS COMPLETED. ADDITIONAL TOPSOIL REQUIRED TO COMPLETE THE JOB SHALL BE OBTAINED FROM OFF-SITE SOURCES AT THE TRADE CONTRACTOR'S EXPENSE. SALVAGED TOPSOIL SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL AND WILL BE REJECTED IF NOT CLEAN, UNCONTAMINATED
- THE CROWNS AND ROOT OF TREES WHICH ARE TO BE PRESERVED IN THE PROJECT AREA, BUT WHICH COULD BE NEGATIVELY AFFECTED DURING THE CONSTRUCTION PROCESS, SHALL BE PRUNED BY A QUALIFIED ARBORIST ACCORDING TO THE TREE PRUNING STANDARDS SET BY ANSI 2100 CODE.
- POROUS GRANULAR EMBANKMENT, SUBGRADE

PUMPY, AND LOOSE SOIL AND SHALL CONFORM

- THIS WORK CONSISTS OF FURNISHING, PLACING, AND COMPACTING POROUS GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. POROUS GRANULAR EMBANKMENT SHALL CONSIST OF CA-1 AGGREGATE CAPPED WITH A 3 INCHES NOMINAL THICKNESS TOP LIFT OF CA-6 CAPPING AGGREGATE. THE MATERIAL SHALL BE USED AS A BRIDGING LAYER OVER SOFT,
- THE POROUS GRANULAR MATERIAL SHALL BE PLACED IN ONE LIFT WHEN THE TOTAL THICKNESS TO BE PLACED IS 2 FEET. OR LESS OR AS DIRECTED BY THE ENGINEER, EACH LIFT OF THE POROUS GRANULAR MATERIAL SHALL BE ROLLED WITH A VIBRATORY ROLLER MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS TO OBTAIN THE DESIRED KEYING OR INTERLOCK AND COMPACTION. THE ENGINEER SHALL VERIFY THAT ADEQUATE KEYING HAS BEEN OBTAINED.
- ALLOWED ON THE UNDERCUT AREAS UNTIL COMPLETION OF THE RECOMMENDED THICKNESS OF THE POROUS GRANULAR FULL DEPTH SUBGRADE UNDERCUT SHOULD OCCUR AT LIMITS DETERMINED BY THE ENGINEER. A TRANSITION SLOPE TO

THE FULL DEPTH OF UNDERCUT SHALL BE MADE OUTSIDE OF THE UNDERCUT LIMITS AT A TAPER OF 1 FOOT LONGITUDINAL

CONSTRUCTION EQUIPMENT NOT NECESSARY FOR THE COMPLETION OF THE REPLACEMENT MATERIAL WILL NOT BE

- PER 1 INCH DEPTH BELOW THE PROPOSED SUBGRADE OR BOTTOM OF THE PROPOSED AGGREGATE SUBGRADE WHEN THIS WORK WILL BE MEASURED FOR PAYMENT IN ACCORDANCE THE STANDARD SPECIFICATIONS. WHEN SPECIFIED ON THE CONTRACT, THE THEORETICAL ELEVATION OF THE BOTTOM OF THE AGGREGATE SUBGRADE SHALL BE USED TO DETERMINE
- THE UPPER LIMIT OF POROUS GRANULAR EMBANKMENT, SUBGRADE. THE VOLUME WILL BE COMPUTED BY THE METHOD OF AVERAGE END AREAS
- THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR POROUS GRANULAR EMBANKMENT, SUBGRADE WHICH PRICE SHALL INCLUDE THE CAPPING AGGREGATE, WHEN REQUIRED. THE POROUS GRANULAR EMBANKMENT, SUBGRADE SHALL BE USED AS FIELD CONDITIONS WARRANT AT THE TIME OF
- CONSTRUCTION. SPECIAL EXCAVATION
- WORK UNDER THIS ITEM SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT AS HEREIN
- SPECIAL EXCAVATION SHALL INCLUDE THE SATISFACTORY REMOVAL AND OFF-SITE DISPOSAL OF ALL UNSUITABLE MATERIAL BELOW THE SUBGRADE ELEVATION.
- AFTER EXCAVATING TO THE REQUIRED SUBGRADE LEVEL, THE ENGINEER & GEOTECH ENGINEER SHALL INSPECT THE SUBGRADE. PRIOR TO PLACING ANY PAVEMENT SECTION MATERIAL THE EXCAVATION LEVEL OR SUBGRADE LEVEL SHALL BE COMPACTED AND, WHERE POSSIBLE, PROOF ROLLED WITH A 40,000 LB TANDEM AXLE TRUCK BY MAKING AT LEAST 4 PASSES. THE COMPACTING AND PROOF ROLLING WILL DETECT SOFT OR UNSTABLE POCKETS OF MATERIAL WHICH SHALL BE REMOVED AND REPLACED AS HEREIN SPECIFIED. THE COMPACTING AND PROOF ROLLING SHALL BE INCIDENTAL TO THE WORK AND NO ADDITIONAL COMPENSATION WILL BE PAID.
- IF THE EXISTING SUBGRADE SOIL IS NOT SUITABLE FOR PROVIDING AN IBR SOIL SUPPORT VALUE OF 2, THE TRADE CONTRACTOR SHALL REMOVE THE UNSUITABLE SUBGRADE SOIL BELOW THE PROPOSED SUBGRADE LEVEL TO A DEPTH AS DIRECTED BY THE ENGINEER COMPACT AND PROOF ROLL THE EXCAVATED AREA, IF UPON PROOF ROLLING THE SUBGRADE IS STILL UNSUITABLE, ADDITIONAL EXCAVATION MAY BE REQUIRED. NO ADDITIONAL COMPENSATION WILL BE MADE REGARDLESS OF THE NUMBER OF TIMES THE AREA IS COMPACTED AND PROOF ROLLED.
- CA-1 SHALL BE USED TO BRING THE SUBGRADE TO THE PROPOSED ELEVATION AS INDICATED UNDER THE ITEM POROUS GRANULAR EMBANKMENT, SUBGRADE. POROUS GRANULAR EMBANKMENT, SUBGRADE IS NOT CONSIDERED PART OF THIS
- THOSE AREAS OF SUBGRADE WHICH ARE NOT OVER EXCAVATED SHALL ALSO BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- SPECIAL EXCAVATION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER WILL BE MEASURED FOR PAYMENT IN PLACE AND THE VOLUME IN CUBIC YARDS COMPUTED BY THE METHOD OF AVERAGE END AREAS. EXCAVATION IN EXCESS OF THAT AUTHORIZED SHALL NOT BE MEASURED FOR PAYMENT.
- THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT CUBIC YARD FOR SPECIAL EXCAVATION. WHICH PRICE SHALL INCLUDE ALL COSTS ASSOCIATED WITH UNSUITABLE MATERIAL REMOVAL AND LEGAL DISPOSAL, GRADING COMPACTING
- THE OWNER IS REQUIRED TO HAVE A GEOTECHNICAL ENGINEER ON-SITE TO MONITOR EARTHWORK, AND THE GRADING ACTIVITY, IN ORDER TO IDENTIFY UNSUITABLE SOILS FOR REMOVAL FROM THE SITE. CONTRACTOR TO ENSURE

#### SEDIMENT AND EROSION CONTROL

- AN INITIAL SEDIMENTATION AND EROSION CONTROL INSPECTION IS REQUIRED PRIOR TO STARTING CONSTRUCTION. THE APPLICANT IS DIRECTED TO CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT 630-434-5529 TO SCHEDULE THIS INSPECTION: THIS NOTIFICATION SHALL BE AT LEAST 24 HOURS IN ADVANCE OF CONSTRUCTION.
- THE SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE ANY LAND IS DISTURBED ON THE SITE.
- STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN ANY DRAINAGE WAYS, FLOODPLAINS, WETLANDS, BUFFERS OR LPDAS.
- SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR ANY SOIL STOCKPILE IF IT IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS INCLUDING A DOUBLE ROW OF SILT FENCE OR COIR ROLL.
- PROPERTIES DOWNSTREAM FROM THE SITE SHALL BE PROTECTED FROM EROSION IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION.
- STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
- THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN SEVEN (7) DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO PREVENT THE DEPOSITION OF SOIL ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY.
- 10. ALL TEMPORARY EROSION CONTROL MEASURES NECESSARY TO MEET THE REQUIREMENTS OF THE VILLAGE OF DOWNERS GROVE STORMWATER AND FLOOD PLAIN ORDINANCE SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION AND CONTROL MEASURES ARE
- . ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- TRADE CONTRACTOR SHALL ABIDE BY EROSION CONTROL MEASURES OUTLINED IN THE "ILLINOIS URBAN MANUAL, LATEST EDITION" BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA).
- 13. SILT FENCING AND OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED BY THE TRADE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITIES TO THE LIMITS DELINEATED ON THE PLANS. NO DISTURBANCE OF LAND IS ALLOWED OUTSIDE THE SILT FENCE AND PROJECT LIMITS AS INDICATED ON THE PLANS.
- 14. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE INSPECTED WEEKLY AND MAINTAINED. INSPECTIONS SHALL ALSO BE MADE AFTER A RAINFALL EVENT OF 1/2 INCH OR GREATER OR EQUIVALENT SNOW FALL EVENT. IF NECESSARY, REPAIR OR REPLACEMENT MUST BE PERFORMED IMMEDIATELY TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTIONS.
- . IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS, BASINS, SEDIMENT FILTER BAGS OR EQUIVALENT MEASURES.
- . STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OR PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 7 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA
- MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE MUNICIPALITY TO BE APPROVED IN THE SAME MANNER AS THE ORIGINAL PLANS.
- 18. THE TRADE CONTRACTOR SHALL STABILIZE THE SIDE SLOPES GREATER THAN 10:1 OR WHERE SHOWN ON THE PLANS BY INSTALLING NORTH AMERICAN GREEN SC150BN EROSION CONTROL BLANKET, WITHIN 5 DAYS AFTER FINAL GRADE IS ACHIEVED AND FOLLOWING SEEDING WITH THE TEMPORARY SEED MATRIX. THE EROSION CONTROL BLANKET SHALL BE INSTALLED AS REQUIRED BY THE MANUFACTURER'S STANDARDS AND SPECIFICATIONS.
- 19. TEMPORARY STOCKPILES SHALL HAVE A SILT FENCE ERECTED AROUND THE PERIMETER OF THE PILE. IF A PILE IS TO REMAIN IN PLACE FOR MORE THAN 14 DAYS, IT SHALL BE TEMPORARY SEEDED.
- 20. SOIL STOCKPILE LOCATIONS MAY BE LOCATED BY THE CONTRACTOR AS NECESSARY ONSITE AND DO NOT NEED TO MATCH EXACT LOCATION AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN. PROVIDE SILT FENCE AROUND ALL STOCKPILE LOCATIONS. NO STOCKPILES SHALL BE PLACED IN THE PROPOSED DETENTION POND OR BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- 21. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEM BY THE USE OF INLET PROTECTIONS/FILTER, ROCK CHECK DAMS OR OTHER APPROVED METHODS. THE TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM ALL SEWERS AND DRAINAGE STRUCTURES (NO FLUSHING DOWNSTREAM) UNTIL 90% OF VEGETATION IS ESTABLISHED.
- 22. TEMPORARY SEDIMENT BARRIERS, INLET PROTECTION/FILTER PROTECTION, FOR STORM SEWER GRATES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS WITHIN THE PLANS AND THE ILLINOIS URBAN MANUAL.
- 23. THE TRADE CONTRACTOR SHALL PRESCRIBE THE METHODS OUTLINED IN THE ILLINOIS URBAN MANUAL TO CONTROL DUST. ACCEPTABLE MEASURES INCLUDE VEGETATIVE COVER (TEMPORARY SEEDING), MULCH, IRRIGATION, STONE, AND PERMANENT VEGETATION (PERMANENT SEEDING). TEMPORARY DUST CONTROL MEASURES (BY MEANS ACCEPTABLE TO LOCAL AUTHORITIES) SHALL BE APPLIED AS NEEDED TO ACCOMPLISH DUST CONTROL.
- 24. IF AN EXISTING ON-SITE ASPHALT ACCESS IS NOT PRESENT THEN, THE TRADE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS ROAD CONSTRUCTED OF IDOT CA-1 FOR 100 FEET IN LENGTH. THE TRADE CONTRACTOR SHALL MAINTAIN THE ADJACENT ROADS FREE OF MUD AND SEDIMENT AT ALL TIMES. REFER TO THE ILLINOIS URBAN MANUAL STANDARD DRAWING IL-630.
- 25. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
- 26. TRADE CONTRACTOR IS RESPONSIBLE FOR KEEPING PUBLIC STREETS CLEAR OF DIRT, DUST, DEBRIS AND MUD ON A DAILY BASIS FOR THE ENTIRE CONSTRUCTION PERIOD BY A MEANS ACCEPTABLE TO LOCAL AUTHORITIES.
- 27. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.
- 28. A SWPPP IS NOT ANTICIPATED FOR THIS DEVELOPMENT SINCE THE DISTURBED AREA IS LESS THAN 1.0 ACRES

#### ABBREVIATIONS

		-	
	EXISTING		
	STORM SEWER	$\bigvee$	FIRE HYDRANT
<u> </u>	SANITARY SEWER		WATER VALVE VAULT
—— W ——— W ——	WATER MAIN	oVB	WATER VALVE BOX
Т	TELEPHONE	oBB	WATER BUFFALO BOX
Е	ELECTRICAL	$_{\circ}$ WM	WATER METER
G	GAS MAIN	$\circ$ EM	ELECTRIC METER
	GUARD RAIL	$_{o}$ GM	GAS METER
XXX	EXISTING FENCE	$_{o}$ G $V$	GAS VALVE
(0)	STORM MANHOLE	oCO	CLEANOUT
	CATCH BASIN		VILLAGE ELEC. MH
-	INLET	E	COMED ELEC. MH
◀	FLARED END SECTION		TELEPHONE MH
	SANITARY MANHOLE	-	SOIL BORING
	DECIDUOUS TREE	X	LIGHT POLE
	EVERGREEN TREE		POWER POLE
þ	SIGN	-0-	TELEPHONE POLE
	PROPOSED		
	COMBINED SEWER	$\circ$	FIBER OPTIC CONDUIT

<u>PROPOSED</u>					
<del></del>	COMBINED SEWER	0	FIBER OPTIC CONDUIT		
<b>→</b>	STORM SEWER	<del>}</del>	ELECTRIC LIGHT		
)——————————————————————————————————————	SANITARY SEWER	•	CLEANOUT ACCESS		
WW	WATER MAIN	$\bigcirc$	FIRE HYDRANT		
T	TELEPHONE	<b>⊗</b>	WATER VALVE VAULT		
E	ELECTRICAL	∘BB	WATER VALVE BOX		
G	GAS MAIN	E	ELECTRIC MANHOLE		
	GUARD RAIL	T	TELEPHONE PEDESTAL		
•	STORM MANHOLE	©	GAS METER		
•	CATCH BASIN	DS	DOWNSPOUT		
•	SANITARY MANHOLE				
0	DECIDUOUS TREE				
þ	SIGN				
ŢV	TELEVISION				
E	ELECTRIC GENERATOR				
	ELECTRIC TRANSFORMER				
	ELECTRIC METER BOX				
———— SF———	SILT FENCE				
XXX	FENCE/GATE				

**ISSUED FOR BID** 02/16/23 ISSUED FOR PERMIT 01/24/23

Wight & Company

2500 North Frontage Ro

wightco.com

Darien, IL 60561

P 630.969.7000

F 630.969.7979

INDIAN TRAIL **ELEMENTARY SCHOOL PLAYGROUND** 

DATE

6235 Stonewall Avenue Downers Grove, IL 60516

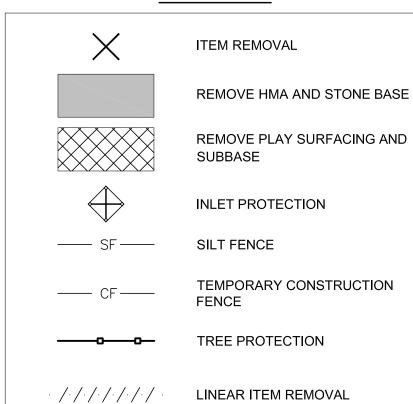
REV DESCRIPTION

**GENERAL NOTES** 

LMB

Sheet:

Project Number 200032 Drawn By

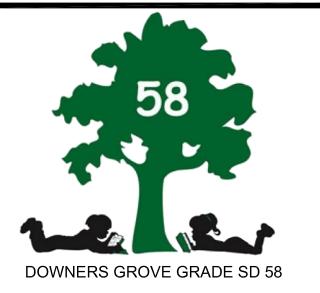


#### **DEMO KEY NOTES**

- 1 REMOVE PLAYGROUND EQUIPMENT AND FOUNDATIONS
- 2 SAWCUT
- 3 REMOVE PLAYGROUND CURB
- 4 REMOVE BENCH

#### **DEMOLITION NOTES**

- 1. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES DURING DEMOLITION & CONSTRUCTION ACTIVITIES, WHETHER SHOWN ON THE PLANS OR NOT, UNLESS OTHERWISE SPECIFIED. ANY RELOCATION, ADJUSTMENTS, CONFLICTS, ETC. SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR TO LOCATE ALL PUBLIC & PRIVATE UTILITIES IN THE RIGHT-OF-WAY AND SITE PRIOR TO CONSTRUCTION.
- 2. ALL EXISTING CURB TO REMAIN UNLESS OTHERWISE SPECIFIED. ANY CURB DAMAGED DURING DEMOLITION SHALL BE REPLACED IN KIND.
- 3. ALL EXISTING SIGNS & LIGHT POLES TO REMAIN AND BE PROTECTED UNLESS OTHERWISE SPECIFIED. ANY SIGNS REMOVED SHALL BE SALVAGED AND RELOCATED OR RETURNED TO OWNER.
- 4. ANY UTILITY ADJUSTMENTS, CONFLICTS, RELOCATIONS, ETC. REQUIRED SHALL BE COORDINATED WITH ENGINEER AND UTILITY OWNER/PROVIDER.
- 5. ALL EXISTING TREES TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED.ANY DAMAGE TO TREES WITHIN THE VILLAGE RIGHT-OF-WAY AS A RESULT OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO ADDRESS AT THE DIRECTION OF THE VILLAGE FORESTER.
- 6. ALL DEMOLITION AND CONSTRUCTION IN THE RIGHT-OF-WAY SHALL BE COORDINATED AND APPROVED BY THE VILLAGE OF DOWNERS GROVE. THE CONTRACTOR IS TO CONTACT THE INSPECTORS AT THE VILLAGE OF DOWNERS GROVE PRIOR TO CONSTRUCTION.
- 7. COORDINATE ALL ELECTRICAL, CABLE FIBER, ETC., REMOVAL/RELOCATION WITH MEP PLANS. CONTRACTOR SHALL PROTECT ALL EXISTING ELECTRIC SERVICES DURING CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- 8. ALL EXISTING SHRUBS AND LANDSCAPING IN CONFLICT WITH SITE IMPROVEMENTS SHALL BE REMOVED.
- 9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DAMAGED PUBLIC/PRIVATE PROPERTY OR ROADWAY AS A RESULT OF CONSTRUCTION ON THIS SITE. THE RIGHT-OF-WAY MUST BE RESTORED TO EXISTING OR BETTER CONDITION.





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

_		00/46/00	
_		02/16/23	
		ISSUED FOR PERMIT	01/24/23
	REV	DESCRIPTION	DATE

INDIAN TRAIL
ELEMENTARY SCHOOL
PLAYGROUND

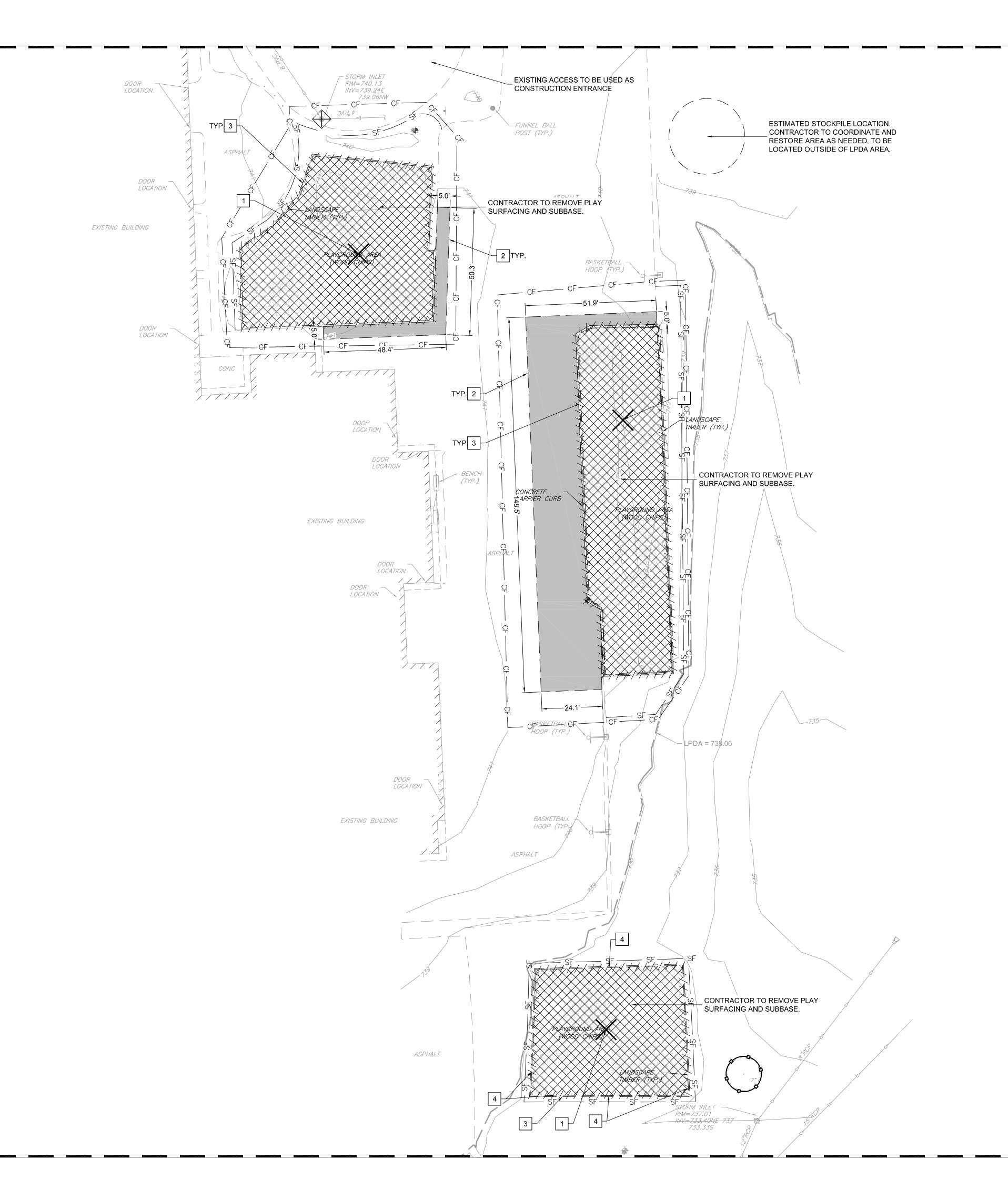
6235 Stonewall Avenue Downers Grove, IL 60516

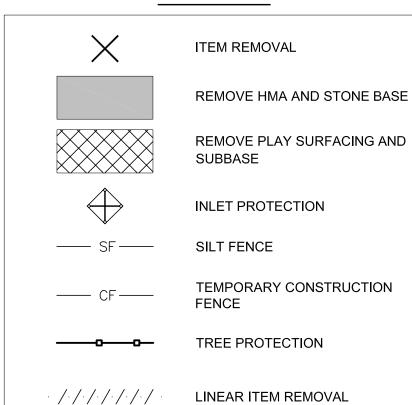
OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

Project Number:	Sca	le:		1" = 30'
200032				
Drawn By:	0'	15'	30'	60'
LMB				
Sheet:				



C1.00





#### **DEMO KEY NOTES**

- 1 REMOVE PLAYGROUND EQUIPMENT AND FOUNDATIONS
- 2 SAWCUT
- 3 REMOVE PLAYGROUND CURB
- 4 REMOVE BENCH

#### **DEMOLITION NOTES**

- 1. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES DURING DEMOLITION & CONSTRUCTION ACTIVITIES, WHETHER SHOWN ON THE PLANS OR NOT, UNLESS OTHERWISE SPECIFIED. ANY RELOCATION, ADJUSTMENTS, CONFLICTS, ETC. SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR TO LOCATE ALL PUBLIC & PRIVATE UTILITIES IN THE RIGHT-OF-WAY AND SITE PRIOR TO CONSTRUCTION.
- 2. ALL EXISTING CURB TO REMAIN UNLESS OTHERWISE SPECIFIED. ANY CURB DAMAGED DURING DEMOLITION SHALL BE REPLACED IN KIND.
- 3. ALL EXISTING SIGNS & LIGHT POLES TO REMAIN AND BE PROTECTED UNLESS OTHERWISE SPECIFIED. ANY SIGNS REMOVED SHALL BE SALVAGED AND RELOCATED OR RETURNED TO OWNER.
- 4. ANY UTILITY ADJUSTMENTS, CONFLICTS, RELOCATIONS, ETC. REQUIRED SHALL BE COORDINATED WITH ENGINEER AND UTILITY OWNER/PROVIDER.
- 5. ALL EXISTING TREES TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED.ANY DAMAGE TO TREES WITHIN THE VILLAGE RIGHT-OF-WAY AS A RESULT OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO ADDRESS AT THE DIRECTION OF THE VILLAGE FORESTER.
- 6. ALL DEMOLITION AND CONSTRUCTION IN THE RIGHT-OF-WAY SHALL BE COORDINATED AND APPROVED BY THE VILLAGE OF DOWNERS GROVE. THE CONTRACTOR IS TO CONTACT THE INSPECTORS AT THE VILLAGE OF DOWNERS GROVE PRIOR TO CONSTRUCTION.
- 7. COORDINATE ALL ELECTRICAL, CABLE FIBER, ETC., REMOVAL/RELOCATION WITH MEP PLANS. CONTRACTOR SHALL PROTECT ALL EXISTING ELECTRIC SERVICES DURING CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- 8. ALL EXISTING SHRUBS AND LANDSCAPING IN CONFLICT WITH SITE IMPROVEMENTS SHALL BE REMOVED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DAMAGED PUBLIC/PRIVATE PROPERTY OR ROADWAY AS A RESULT OF CONSTRUCTION ON THIS SITE. THE RIGHT-OF-WAY MUST BE RESTORED TO EXISTING OR BETTER CONDITION.



**DOWNERS GROVE GRADE SD 58** 



Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

INDIAN TRAIL
ELEMENTARY SCHOOL
PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

EXISTING CONDITIONS AND DEMOLITION PLAN ENLARGEMENT

Project Number:	Sca	le:		1" = 20
200032				
Drawn By:	0'	10'	20'	40
LMB				
Sheet:				



C1.01



HMA PAVEMENT - VEHICULAR



CONCRETE PAVING



PLAY SURFACING - ENGINEERED

WOOD FIBER MULCH

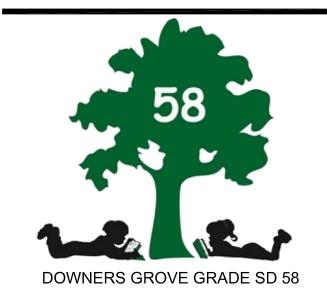
#### **KEY NOTES**

PROPERTY LINE

- 1 PLAYGROUND RAMP
- 2 PLAYGROUND CURB
- MAIN PLAYGROUND STRUCTURE. PLAY EQUIPMENT 3 PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.
- NEST SWING. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.
- MAIN SWINGS. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR. ECC PLAYGROUND STRUCTURE. PLAY EQUIPMENT
- 6 PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR. 7 ECC SWINGS. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.
- ECC INDEPENDENT PLAY STRUCTURE. PLAY 8 EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.

#### SITE PLAN AND LAYOUT NOTES

- 1. ALL LAYOUT FOR SITE IMPROVEMENTS SHALL BE COMPLETED BY A PROFESSIONAL LAND SURVEYOR HIRED BY THE CONTRACTOR. LAYOUT SHALL BE COMPLETED USING THE ELECTRONIC CAD FILES PROVIDED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADJUSTMENT NECESSARY TO CONSTRUCT THE WORK AS
- 2. CONTRACTOR SHALL OBTAIN APPROVAL OF LAYOUT FROM THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE TO CORRECT WORK IF CONSTRUCTED INCORRECTLY PRIOR TO APPROVAL OF LAYOUT.
- 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL LAYOUT MARKINGS. NO ADDITIONAL PAYMENT WILL BE MADE TO REPLACE MARKINGS.
- 4. ALL DIMENSIONS, CURB RADII, AND ELEVATIONS REFER TO THE BACK OF CURB WHERE CURB SHOWN UNLESS OTHERWISE SHOWN. ALL WALL DIMENSIONS ARE TO THE FACE OF WALL UNLESS OTHERWISE SHOWN. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. COORDINATES ARE TO THE BACK OF CURB, CENTER OF STRUCTURE, OR AS SHOWN.
- 5. ALL RADII SHALL BE SMOOTH AND CONTINUOUS AND NOT SEGMENTED. CONTRACTOR TO PROVIDE STAKES A MINIMUM OF EVERY 10 FEET WHERE RADIUS POINTS ARE NOT ACCESSIBLE.
- 6. ADJUSTMENTS TO STAKE LOCATIONS DUE TO DISCREPANCIES BETWEEN COORDINATES AND DIMENSIONS ARE CONSIDERED INCIDENTAL TO THE
- 7. CONTRACTOR RESPONSIBLE TO TAKE DELIVERY, VERIFY CONDITION AND COMPLETENESS, ASSEMBLE AND INSTALL ALL MATERIALS AND FURNISHINGS PER MANUFACTURER'S INSTRUCTIONS.
- 8. PLACE CONTROL AND EXPANSION JOINTS WHERE INDICATED ON PLANS AND DETAILS FOR CONCRETE WORK. WHERE JOINTS ARE NOT SHOWN, PLACE CONTROL JOINTS IN SPACING TO MATCH PAVEMENT WIDTH OR MAXIMUM OF 10 FEET ON CENTER. EXPANSION JOINTS SHALL BE A MAXIMUM OF 30 FEET ON CENTER AND BETWEEN ALL POURS AND EXISTING CONCRETE OR
- 9. ANY CHANGE TO THE SITE PLAN DURING DESIGN OR IN FIELD DURING CONSTRUCTION MUST BE SUBMITTED IN WRITING TO THE ENGINEER AND VILLAGE OF DOWNERS
- 10. A FINAL GRADING SURVEY IS REQUIRED AT THE COMPLETION OF THE PROJECT, INCLUDING AN ELECTRONIC COPY. IT SHALL INCLUDE, BUT IS NOT
- LIMITED TO, THE FOLLOWING ITEMS: DOWNSPOUT LOCATION, DISCHARGE PATH, AND THE <del>LOCATION, SIZE, AND MATERIAL OF ANY ASSOCIATED</del>
- TOP OF FOUNDATION ELEVATIONS OF ALL NEW STRUCTURES
- SPOT GRADES ADJACENT TO THE FOUNDATIONS OF
- ALL NEW STRUCTURES • ALL NEW IMPERVIOUS AREAS INCLUDING THOSE MADE
- OF CONCRETE, ASPHALT, AND BRICK PAVER.
- STOOPS OUTSIDE OF DOORWAYS
- WINDOW WELL LOCATIONS, ELEVATIONS, AND THE
- ADJACENT GRADE UPDATED CALCULATIONS OF THE AS-BUILT IMPERVIOUS AREAS. TABULATE TO SHOW THE NET INCREASE IN IMPERVIOUS AREA (ANY INCREASE IN IMPERVIOUS AREA FROM THE PROPOSED WILL RESULT
- IN AN ADDITIONAL FEE). AS-BUILT LOCATION AND AS-BUILT VOLUME OF ANY PCBMP (RAIN GARDEN).





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

INDIAN TRAIL **ELEMENTARY SCHOOL** PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

**OVERALL SITE PLAN** 

Project Number: 200032	Sca	le:		1" = 30'
Drawn By:	0'	15'	30'	60'
LMB				
Sheet:				







HMA PAVEMENT - VEHICULAR



CONCRETE PAVING



PLAY SURFACING - ENGINEERED WOOD FIBER MULCH

PROPERTY LINE

#### **KEY NOTES**

1 PLAYGROUND RAMP

2 PLAYGROUND CURB

MAIN PLAYGROUND STRUCTURE. PLAY EQUIPMENT 3 PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.

NEST SWING. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.

MAIN SWINGS. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR. ECC PLAYGROUND STRUCTURE. PLAY EQUIPMENT

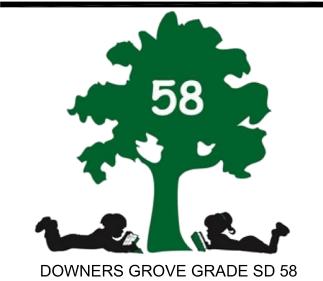
6 PURCHASED BY OWNER AND INSTALLED BY

CONTRACTOR. ECC SWINGS. PLAY EQUIPMENT PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.

ECC INDEPENDENT PLAY STRUCTURE. PLAY 8 EQUIPMENT PURCHASED BY OWNER AND INSTALLED → BY CONTRACTOR.

#### SITE PLAN AND LAYOUT NOTES

- ALL LAYOUT FOR SITE IMPROVEMENTS SHALL BE COMPLETED BY A PROFESSIONAL LAND SURVEYOR HIRED BY THE CONTRACTOR. LAYOUT SHALL BE COMPLETED USING THE ELECTRONIC CAD FILES PROVIDED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADJUSTMENT NECESSARY TO CONSTRUCT THE WORK AS
- CONTRACTOR SHALL OBTAIN APPROVAL OF LAYOUT FROM THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE TO CORRECT WORK IF CONSTRUCTED INCORRECTLY PRIOR TO APPROVAL OF LAYOUT.
- 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL LAYOUT MARKINGS. NO ADDITIONAL PAYMENT WILL BE MADE TO REPLACE MARKINGS.
- ALL DIMENSIONS, CURB RADII, AND ELEVATIONS REFER TO THE BACK OF CURB WHERE CURB SHOWN UNLESS OTHERWISE SHOWN. ALL WALL DIMENSIONS ARE TO THE FACE OF WALL UNLESS OTHERWISE SHOWN. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. COORDINATES ARE TO THE BACK OF CURB, CENTER OF STRUCTURE, OR AS SHOWN.
- 5. ALL RADII SHALL BE SMOOTH AND CONTINUOUS AND NOT SEGMENTED. CONTRACTOR TO PROVIDE STAKES A MINIMUM OF EVERY 10 FEET WHERE RADIUS POINTS ARE NOT ACCESSIBLE.
- 6. ADJUSTMENTS TO STAKE LOCATIONS DUE TO DISCREPANCIES BETWEEN COORDINATES AND DIMENSIONS ARE CONSIDERED INCIDENTAL TO THE
- CONTRACTOR RESPONSIBLE TO TAKE DELIVERY, VERIFY CONDITION AND COMPLETENESS, ASSEMBLE AND INSTALL ALL MATERIALS AND FURNISHINGS PER MANUFACTURER'S INSTRUCTIONS.
- 8. PLACE CONTROL AND EXPANSION JOINTS WHERE INDICATED ON PLANS AND DETAILS FOR CONCRETE WORK. WHERE JOINTS ARE NOT SHOWN, PLACE CONTROL JOINTS IN SPACING TO MATCH PAVEMENT WIDTH OR MAXIMUM OF 10 FEET ON CENTER. EXPANSION JOINTS SHALL BE A MAXIMUM OF 30 FEET ON CENTER AND BETWEEN ALL POURS AND EXISTING CONCRETE OR
- 9. ANY CHANGE TO THE SITE PLAN DURING DESIGN OR IN FIELD DURING CONSTRUCTION MUST BE SUBMITTED IN WRITING TO THE ENGINEER AND VILLAGE OF DOWNERS
- 10. A FINAL GRADING SURVEY IS REQUIRED AT THE COMPLETION OF THE PROJECT, INCLUDING AN ELECTRONIC COPY. IT SHALL INCLUDE, BUT IS NOT
- LIMITED TO, THE FOLLOWING ITEMS: DOWNSPOUT LOCATION, DISCHARGE PATH, AND THE <del>LOCATION, SIZE, AND MATERIAL OF ANY ASSOCIATED</del>
- TOP OF FOUNDATION ELEVATIONS OF ALL NEW STRUCTURES
- SPOT GRADES ADJACENT TO THE FOUNDATIONS OF
- ALL NEW STRUCTURES
- ALL NEW IMPERVIOUS AREAS INCLUDING THOSE MADE OF CONCRETE, ASPHALT, AND BRICK PAVER.
- STOOPS OUTSIDE OF DOORWAYS WINDOW WELL LOCATIONS, ELEVATIONS, AND THE
- ADJACENT GRADE
- UPDATED CALCULATIONS OF THE AS-BUILT IMPERVIOUS AREAS. TABULATE TO SHOW THE NET INCREASE IN IMPERVIOUS AREA (ANY INCREASE IN IMPERVIOUS AREA FROM THE PROPOSED WILL RESULT IN AN ADDITIONAL FEE).
- AS-BUILT LOCATION AND AS-BUILT VOLUME OF ANY PCBMP (RAIN GARDEN).





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

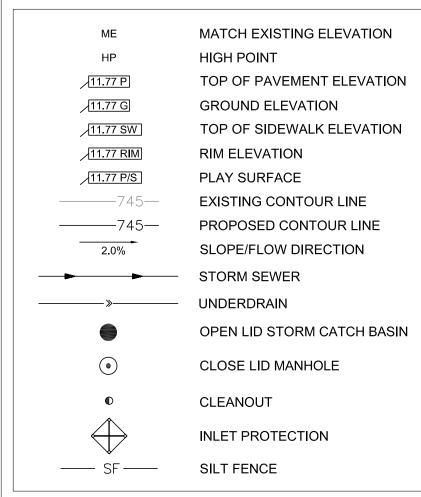
#### INDIAN TRAIL **ELEMENTARY SCHOOL PLAYGROUND**

6235 Stonewall Avenue Downers Grove, IL 60516

#### SITE PLAN ENLARGEMENT

Project Number:	Sca	le:		1" = 20
200032				
Drawn By:	0'	10'	20'	40'
LMB				
Sheet:				





#### **GRADING NOTES**

- . CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, SIZES, SLOPES, INVERTS, ETC. AND CONTACT ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS/DISCREPANCIES.
- 2. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES.

  3. ALL EXISTING LITH ITY STRUCTURES SHALL BE ADJUSTED.
- 3. ALL EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISH GRADE. ALL EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS SHALL BE ALLOWED.
- 4. ALL SITE WORK SHALL BE IN CONFORMANCE WITH THE ILLINOIS ACCESSIBILITY CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
- 5. SLOPES BETWEEN SPOT ELEVATIONS ON PATHWAYS SHALL BE CONSISTENT.
- 6. MAXIMUM SLOPE ON ALL PAVED SURFACES IS 1:20 (5%).
  RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12
  (8.33%).
- 7. ALL SURFACES SHALL BE GRADED FOR POSITIVE DRAINAGE. MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2% IN DIRECTION INDICATED. IF NO DIRECTION IS INDICATED, GRADE FOR POSITIVE DRAINAGE AWAY FROM WALLS, COLUMNS, STEPS, AND STRUCTURES.
- AWAY FROM WALLS, COLUMNS, STEPS, AND STRUCTURES.
  8. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
  9. AVOID EXCESSIVE FILL IN CRITICAL ROOT ZONES. SEE
- SPECIFICATIONS. FEATHER NEWLY GRADED AREAS INTO EXISTING GRADE.

  10. TOPSOIL IN AREAS DESIGNATED FOR PAVING SHALL BE STRIPPED AND RESPREAD IN ACCORDANCE WITH
- GRADING PLAN. HAUL OFF SITE AND LEGALLY DISPOSE OF UNSUITABLE OR EXCESS EXCAVATED MATERIAL.

  11. TOPSOIL IN AREAS OF NEWLY CREATED BERMS SHALL BE STRIPPED AND STOCKPILED. CONSTRUCT BERM USING ON SITE FILL MATERIAL OR IMPORTED MATERIAL AS
- DIRECTED. RESPREAD TOPSOIL IN ACCORDANCE WITH GRADING PLAN AND SPECIFICATIONS.

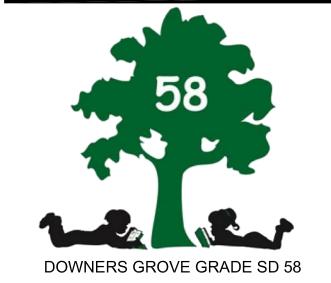
  12. TOPSOIL SHALL BE IMPORTED AS NEEDED AND SPREAD AT SPECIFIED DEPTHS TO ACHIEVE FINAL GRADE.

  GRANULAR FILL WILL NOT BE ACCEPTED UNDER TURF OR
- PLANTING AREAS.

  13. PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IS
  UNSATISFACTORY SUB-GRADE MATERIALS ARE
- DISCOVERED.

  14. OBTAIN LANDSCAPE ARCHITECT'S REVIEW OF FINE GRADING PRIOR TO SEEDING OPERATIONS.
- 15. REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS, AND NOTES.16. ANY SOIL STOCKPILES SHALL BE PROTECTED WITH
  - 16. ANY SOIL STOCKPILES SHALL BE PROTECTED WITH DOUBLE ROW OF SILT FENCE COIR ROLL AROUND PERIMETER.
  - PERIMETER.

    17. ANY DAMAGE TO TREES WITHIN THE VILLAGE RIGHT OF WAY AS A RESULT OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO ADDRESS AT THE DIRECTION OF THE VILLAGE FORESTER.





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

### INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

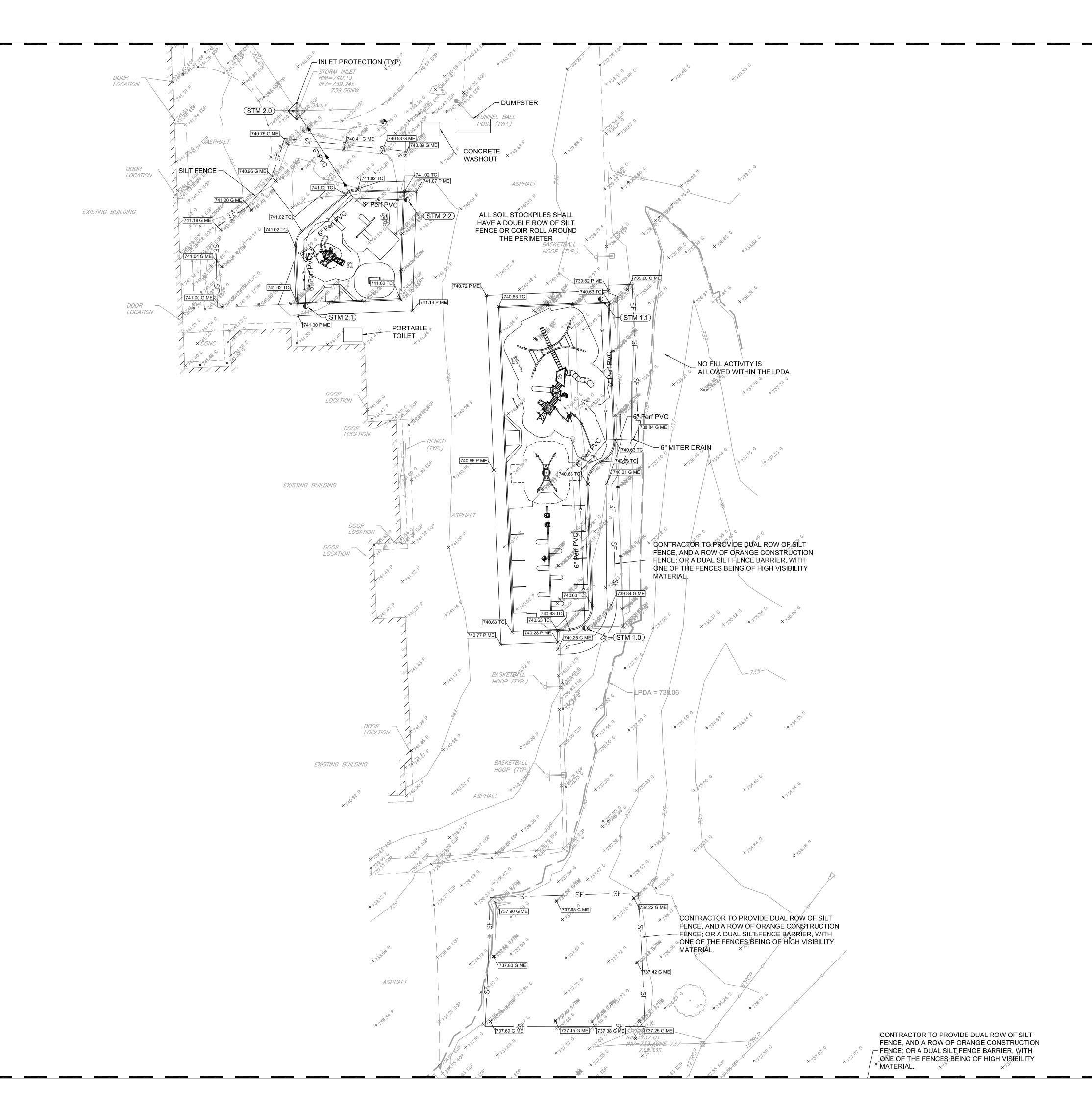
6235 Stonewall Avenue Downers Grove, IL 60516

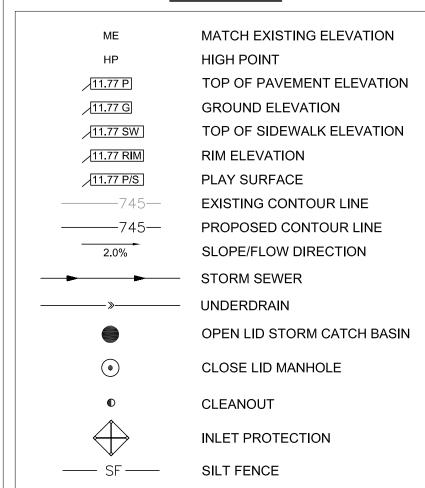
### OVERALL GRADING AND DRAINAGE PLAN

Project Number:	Sca	Scale:		
200032				
Drawn By:	0'	15'	30'	60'
LMB				
Sheet:				
		_	_	



C3.00





#### **GRADING NOTES**

- I. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, SIZES, SLOPES, INVERTS, ETC. AND CONTACT ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS/DISCREPANCIES.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES.
- 3. ALL EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISH GRADE. ALL EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS SHALL BE ALLOWED.
- 4. ALL SITE WORK SHALL BE IN CONFORMANCE WITH THE ILLINOIS ACCESSIBILITY CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
- 5. SLOPES BETWEEN SPOT ELEVATIONS ON PATHWAYS SHALL BE CONSISTENT.
- 6. MAXIMUM SLOPE ON ALL PAVED SURFACES IS 1:20 (5%).
  RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12
- 7. ALL SURFACES SHALL BE GRADED FOR POSITIVE DRAINAGE. MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2% IN DIRECTION INDICATED. IF NO DIRECTION IS INDICATED, GRADE FOR POSITIVE DRAINAGE AWAY FROM WALLS. COLUMNS. STEPS. AND STRUCTURES.
- AWAY FROM WALLS, COLUMNS, STEPS, AND STRUCTURES.

  8. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
- 9. AVOID EXCESSIVE FILL IN CRITICAL ROOT ZONES. SEE SPECIFICATIONS. FEATHER NEWLY GRADED AREAS INTO EXISTING GRADE.
- 10. TOPSOIL IN AREAS DESIGNATED FOR PAVING SHALL BE STRIPPED AND RESPREAD IN ACCORDANCE WITH GRADING PLAN. HAUL OFF SITE AND LEGALLY DISPOSE OF UNSUITABLE OR EXCESS EXCAVATED MATERIAL.
  11. TOPSOIL IN AREAS OF NEWLY CREATED BERMS SHALL BE
- STRIPPED AND STOCKPILED. CONSTRUCT BERM USING ON SITE FILL MATERIAL OR IMPORTED MATERIAL AS DIRECTED. RESPREAD TOPSOIL IN ACCORDANCE WITH GRADING PLAN AND SPECIFICATIONS.
- 12. TOPSOIL SHALL BE IMPORTED AS NEEDED AND SPREAD AT SPECIFIED DEPTHS TO ACHIEVE FINAL GRADE.
  GRANULAR FILL WILL NOT BE ACCEPTED UNDER TURF OR PLANTING AREAS.

  13. PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IS
- 13. PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IS UNSATISFACTORY SUB-GRADE MATERIALS ARE DISCOVERED.
- 14. OBTAIN LANDSCAPE ARCHITECT'S REVIEW OF FINE GRADING PRIOR TO SEEDING OPERATIONS.
- 15. REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS, AND NOTES.
   16. ANY SOIL STOCKPILES SHALL BE PROTECTED WITH
- 16. ANY SOIL STOCKPILES SHALL BE PROTECTED WITH DOUBLE ROW OF SILT FENCE COIR ROLL AROUND PERIMETER.
- PERIMETER.

  17. ANY DAMAGE TO TREES WITHIN THE VILLAGE RIGHT OF WAY AS A RESULT OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO ADDRESS AT THE DIRECTION OF THE VILLAGE FORESTER.





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	02/16/23	
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

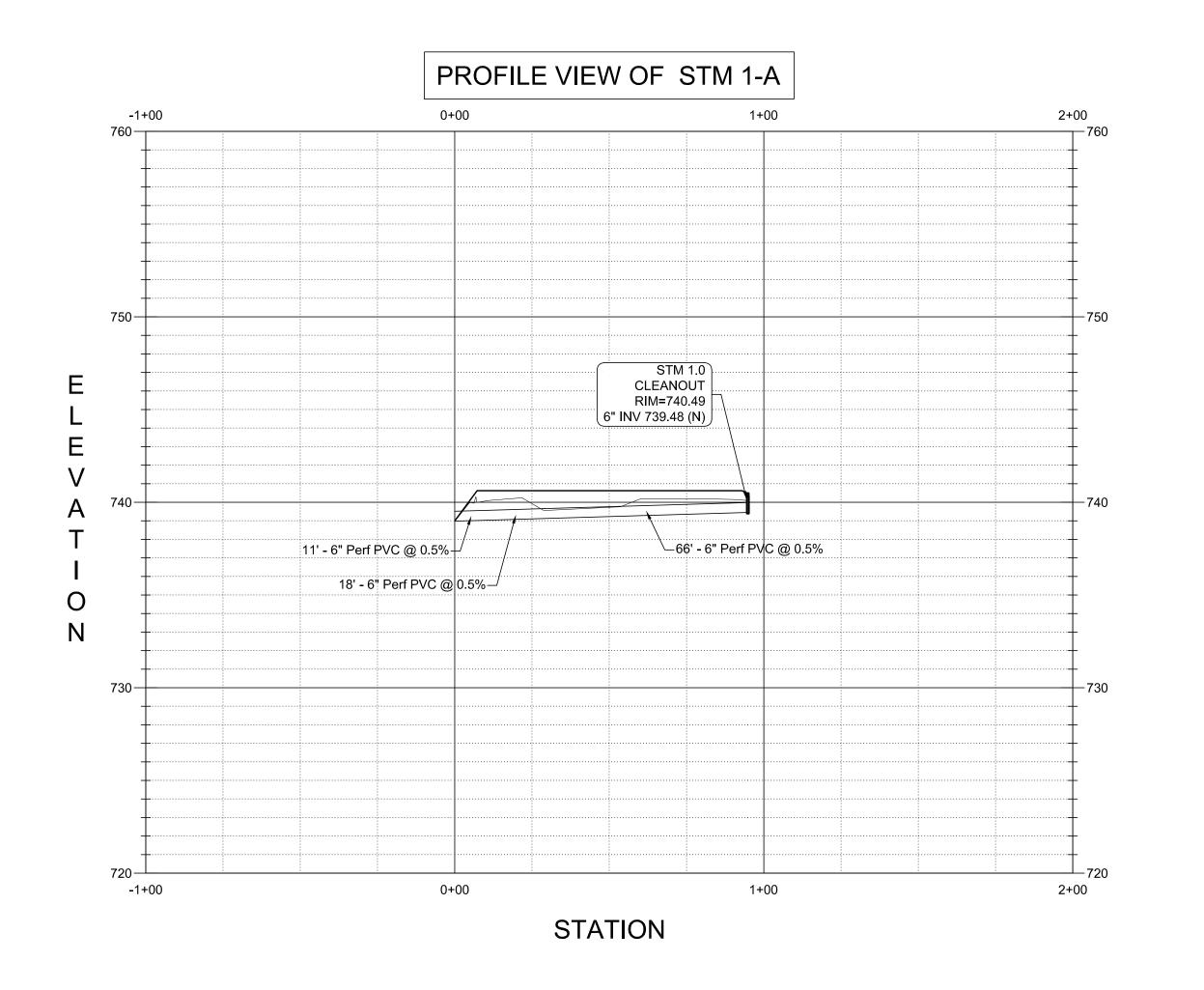
### INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

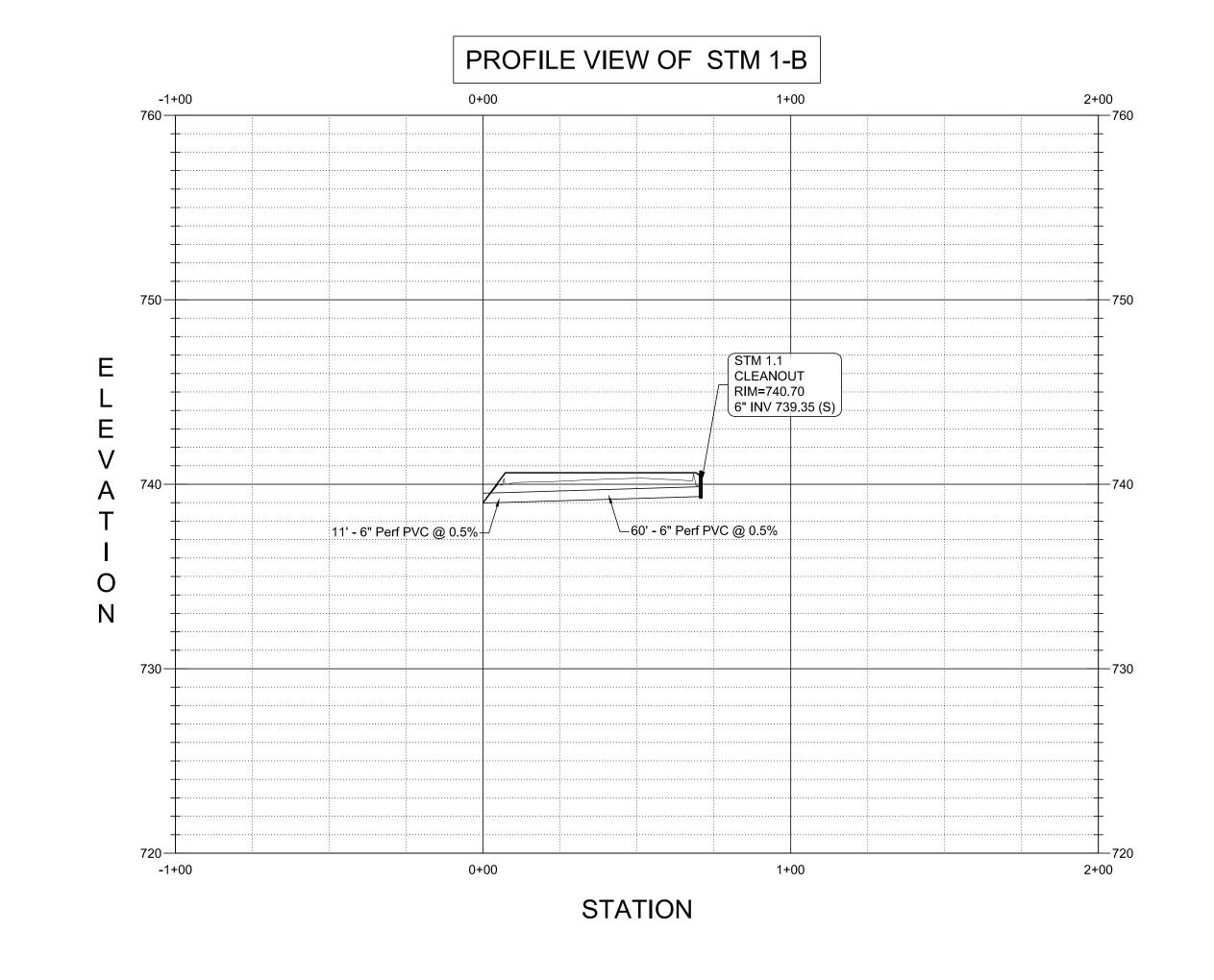
6235 Stonewall Avenue Downers Grove, IL 60516

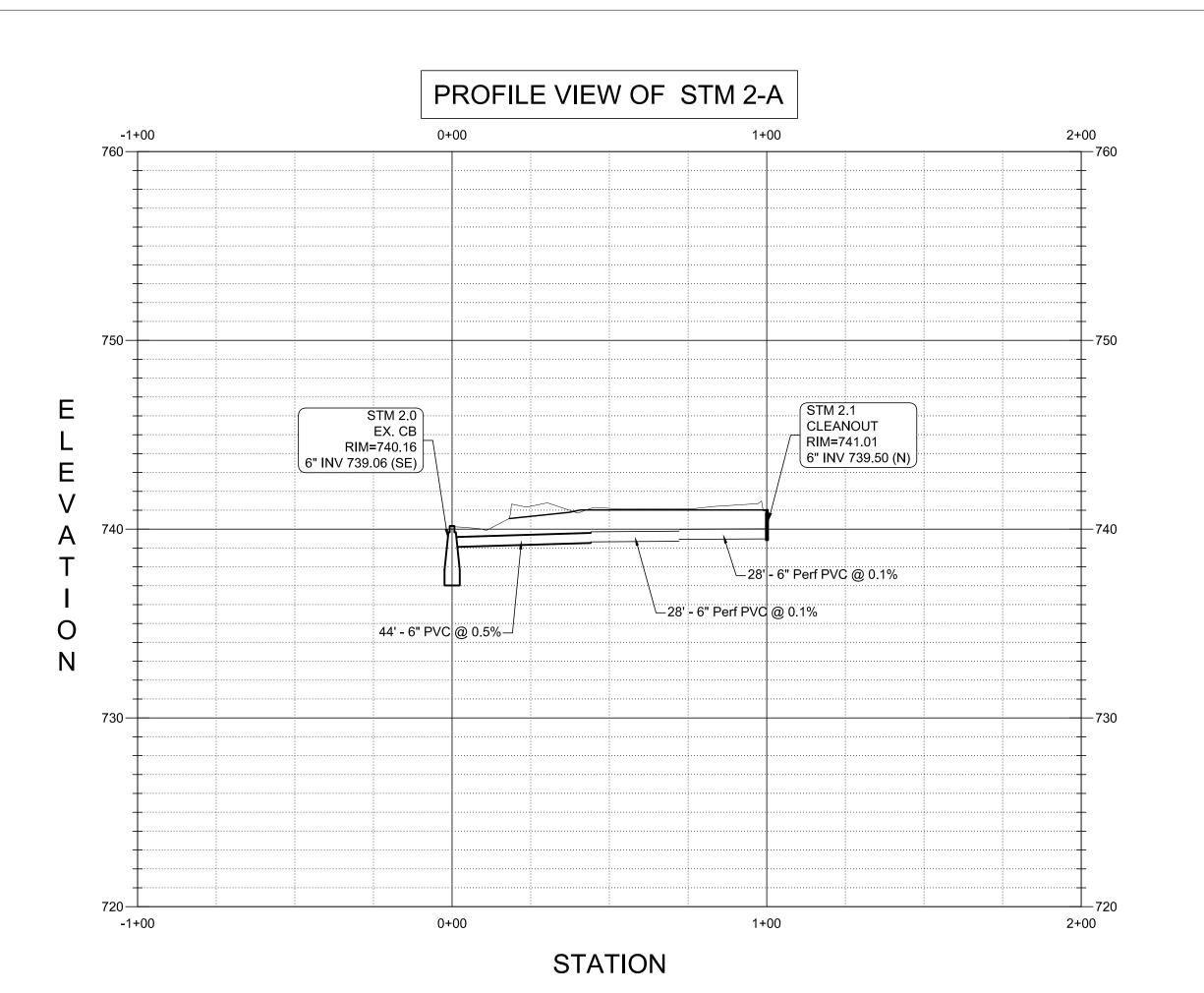
### GRADING AND DRAINAGE PLAN ENLARGEMENT

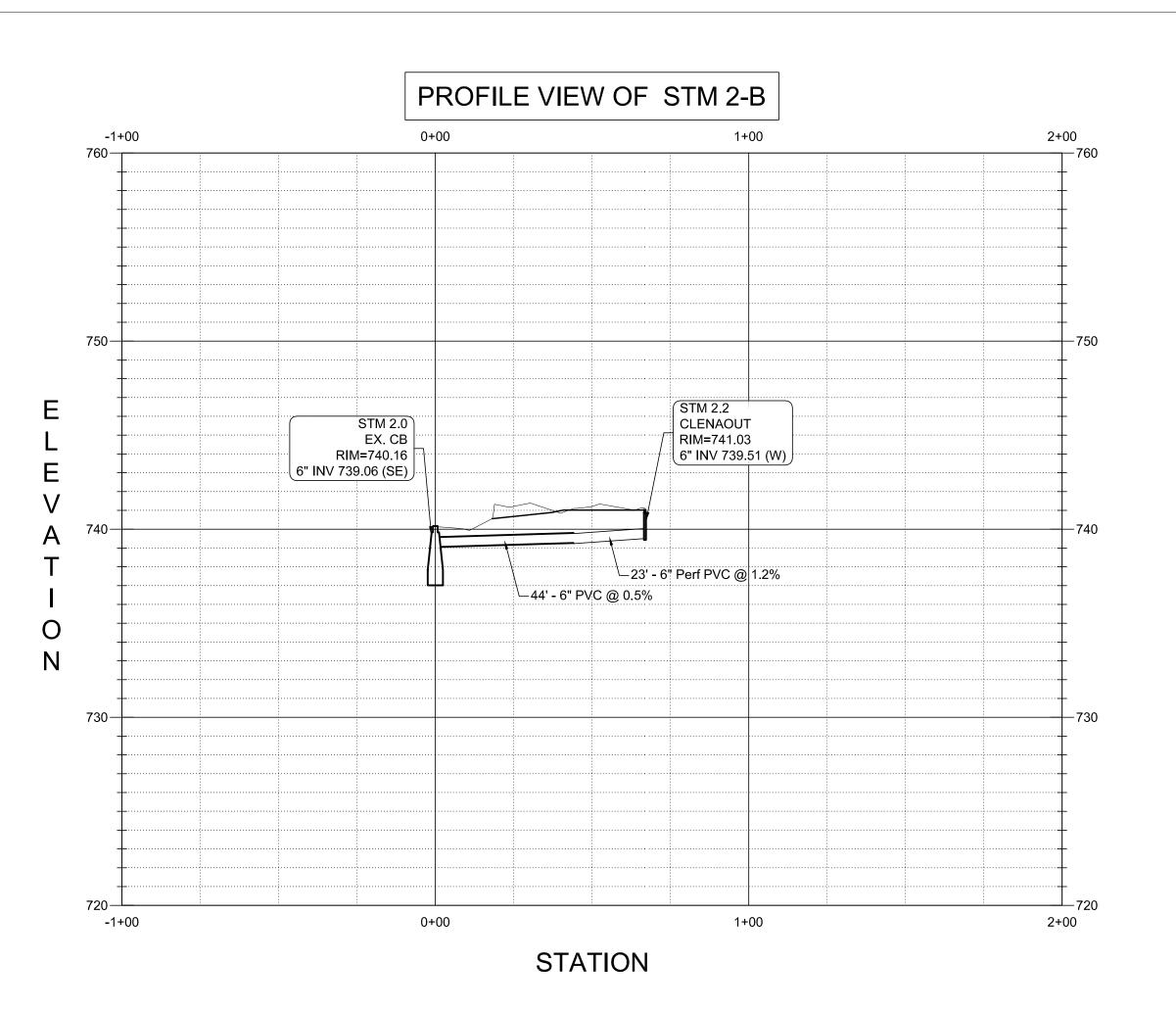
Project Number: 200032	Sca	e:		1" = 20'
Drawn By:	0'	10'	20'	40'
LMB				
Sheet:				

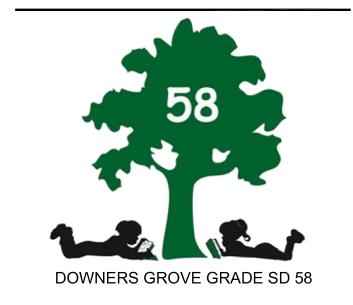














Wight & Company wightco.com 2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

## INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

#### **UTILITY PROFILE PLAN**

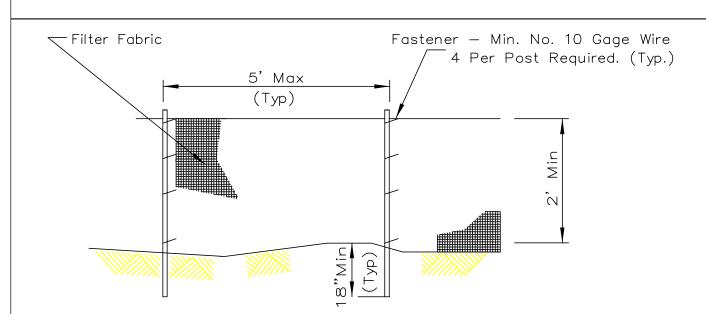
Project Number: Scale:
200032

Drawn By:

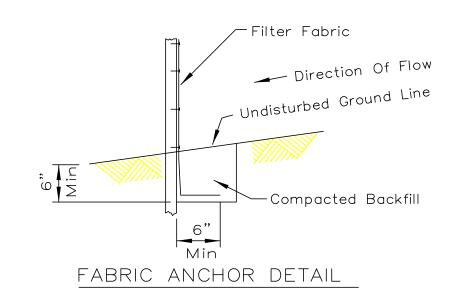
DE

**C3.02** 

#### SILT FENCE PLAN



#### ELEVATION



1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.

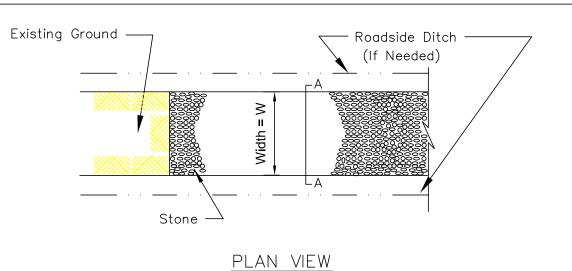
- 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 40 for woven.
- 3. Fence posts shall be either standard steel post or wood post with a minimum cross—sectional area of 3.0 sq. in.

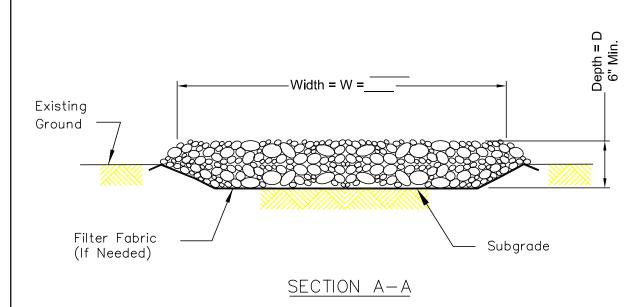
=			
without 1	REFERENCE Project		
₹			
rwise, v	Designed	Date	
	Checked	Date	
e≧	Approved	Date	



STANDARD DWG. NO. IUM-620 SHEET 1 OF 2 DATE 3-16-12

#### CONSTRUCTION ROAD STABILIZATION

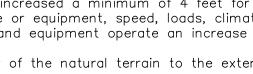




Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the

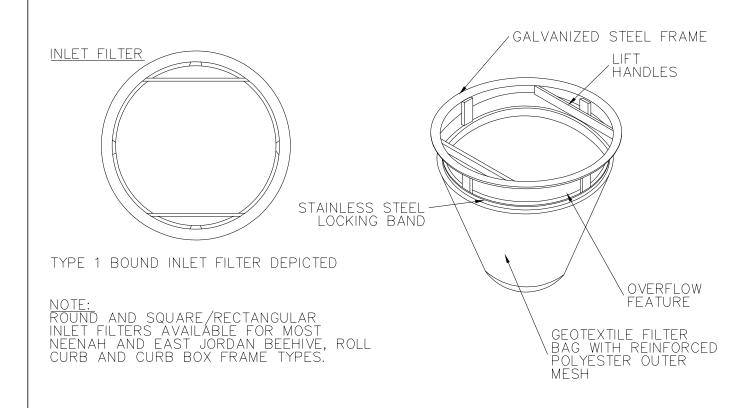
- placing of rock. Stone shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction. See plans for construction road location, D and W dimensions.
- 4. Minimum width is 14 feet for one—way traffic and 20 feet for two—way traffic. Two—way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
- 5. Roadway shall follow the contour of the natural terrain to the extent possible.

REFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

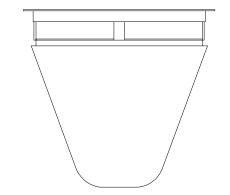


IL-506 SHEET 1 OF 1 DATE 1-29-99

#### DROP INLET PROTECTION SCALE: NTS

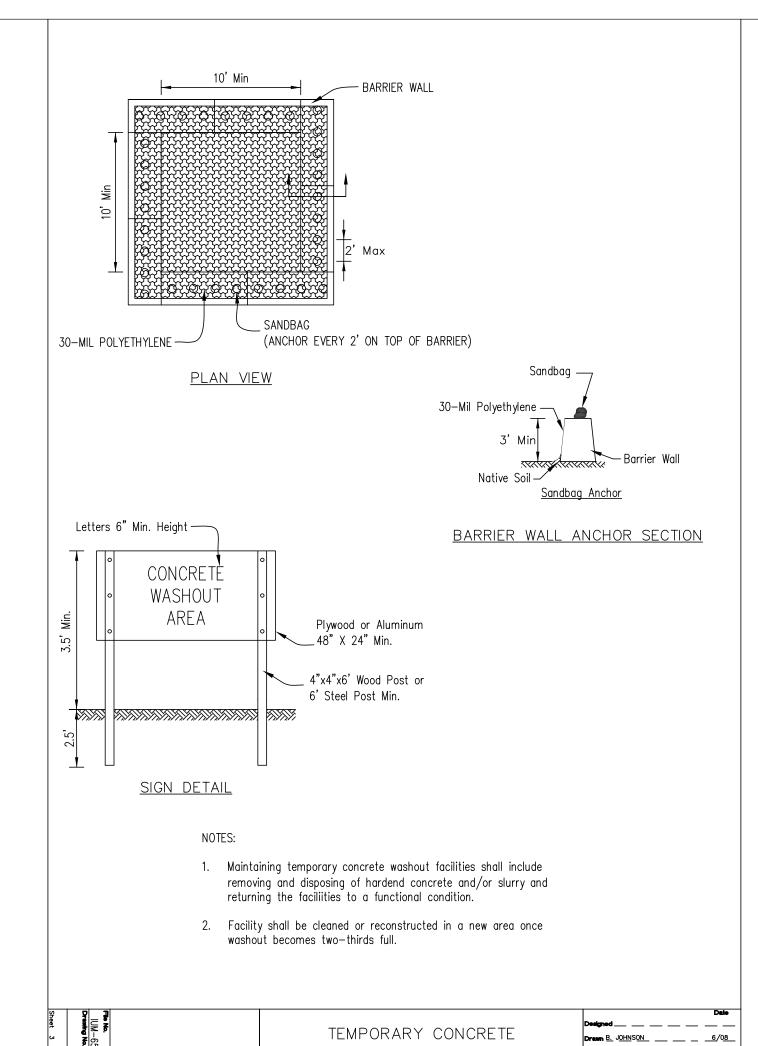


IDOT STANDARD FRAME SELECTION

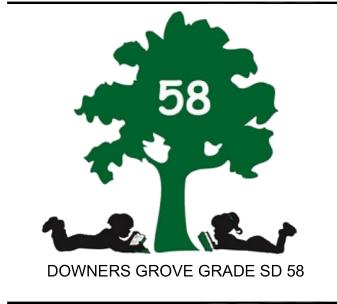


\*\*CERTIFICATION: All IPP INLET FILTERS CONFORM TO IDOT SPECIFICATIONS AS OUTLINED IN ARTICLE 1081.15 OF IDOT'S STANDARDS SPECIFICATIONS GUIDE

IDOT Std Type 1,5		<u>Grate Size</u> 22.75 dia	Opening 21	Filter P/N	Aprox Dims D=22	Notes Round
+ypc 1,0						
Týpe 8		33 dia	23 (mhole)	2600-8	D = 26.5	Round
Type 3, 3\	$\checkmark$	22 x 16.9	20 × 15			Curb box, flag
Type 11, 1	1 V	28.75 x 11.38				Curb box, fla
Type 6		22 x 22.75	$20.25 \times 23 +$	2122-6	W=21, H=22	Rolled curb
Type 12		28.75 x 17.25			W=28, H=16.	Skolled curb
Type 4		$21.75 \times 14.75$		2114-4	W=21, H=14	
Type 20, 2		$22.5 \times 22.5$		2222-20	W = 22, $H = 22$	Square flat
Type 23		24 x 16.25		2316-23	W=23, $H=15$ .	
Týpe 24		$24 \times 22.5$	22 x 20.5	2322-24	W = 23, $H = 22$	Rect flat



WASHOUT FACILITY - BARRIER WALL Checked \_\_ \_ \_ \_ \_ \_ \_





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

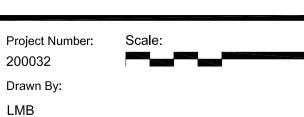
ISSUED FOR BID 02/16/23 ISSUED FOR PERMIT 01/24/23 REV DESCRIPTION DATE

#### INDIAN TRAIL **ELEMENTARY SCHOOL** PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

#### **DETAILS**

Sheet:



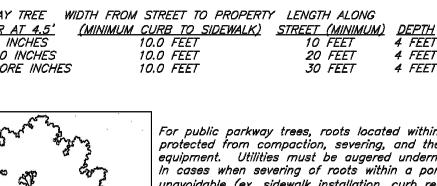
Municipal Codes regarding trees, including tree protection requirements for public parkway trees, are located in Chapter 24 of the Downers Grove Municipal Code http://www.downers.us/code/chapters/24 . Parkway tree protection shall involve avoiding damage to both the above ground tree trunk, including the branches, and the below ground root system. Roots are the most vital part of a tree with the majority of nutrient and water absorbing roots in the upper 18 to 24 inches of soil. Tree roots must be protected from severing or changes in their soil environment (such as compaction or grade changes) to prevent irreversible tree decline or death in the coming years.

The Critical Root Zone, or CRZ, is the area immediately surrounding a tree that needs to be protected from damage. The size of this area, measured from the center of the tree, is ideally a circle with a radius of one foot for each inch of trunk diameter. The depth of the CRZ extends to 4 feet below the natural ground surface level. In a municipal parkway setting with utilities and paved or concrete surfaces, the CRZ cannot always be the ideal size. Instead, the CRZ has been adjusted to form a rectangle around the parkway tree trunk with the minimum dimensions listed in the following table. At a minimum, the listed CRZ shall be fenced with a 6 foot high temporary chain link construction fence secured to

metal posts spaced no further than 10 feet apart. Whenever possible, the entire parkway shall be fenced in except where access has been permitted. Any exceptions shall be noted on the drawings submitted for a given permit.

PARKWAY TREE WIDTH FROM STREET TO PROPERTY LENGTH ALONG <u>DIAMETER AT 4.5'</u> 12.1-24.0 INCHES 10.0 FEET 24.1 OR MORE INCHES 10.0 FEET

I:\LIBRARY\DETAILS\TREES\TRE-01

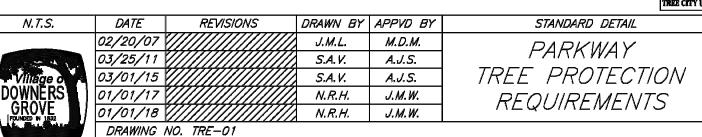


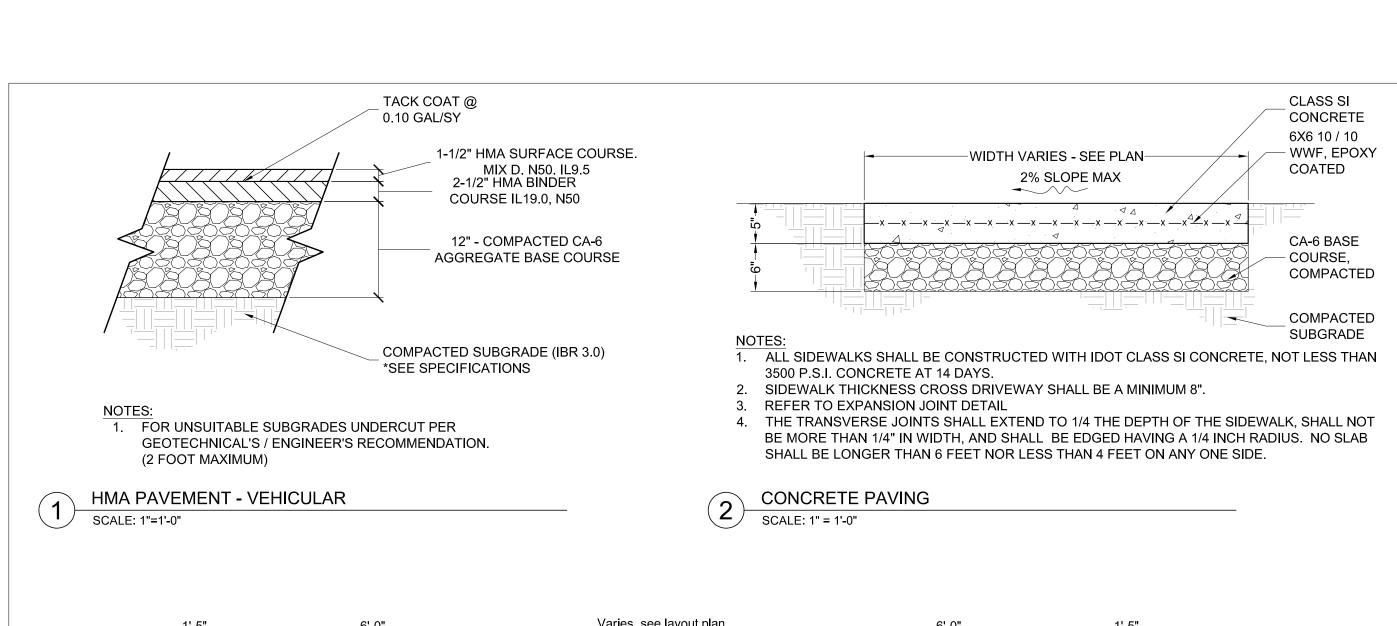
For public parkway trees, roots located within the determined CRZ shall be protected from compaction, severing, and the storage of materials or equipment. Utilities must be augered underneath the tree as shown above. In cases when severing of roots within a portion of the CRZ may be unavoidable (ex. sidewalk installation, curb replacement, water main or sanitary main disconnects in the parkway), subject to the approval of the Village Forester, the smallest possible area shall be disturbed and sharp clean cuts shall be made on root ends to promote wound closure and root regeneration. All CRZ fencing shall be a 6 foot high temporary chain link construction fence secured to metal posts spaced no further than 10 🖰 feet apart, and shall be maintained daily in good condition. Any exceptions to the fence dimensions or parkway position shall be noted on the permit.

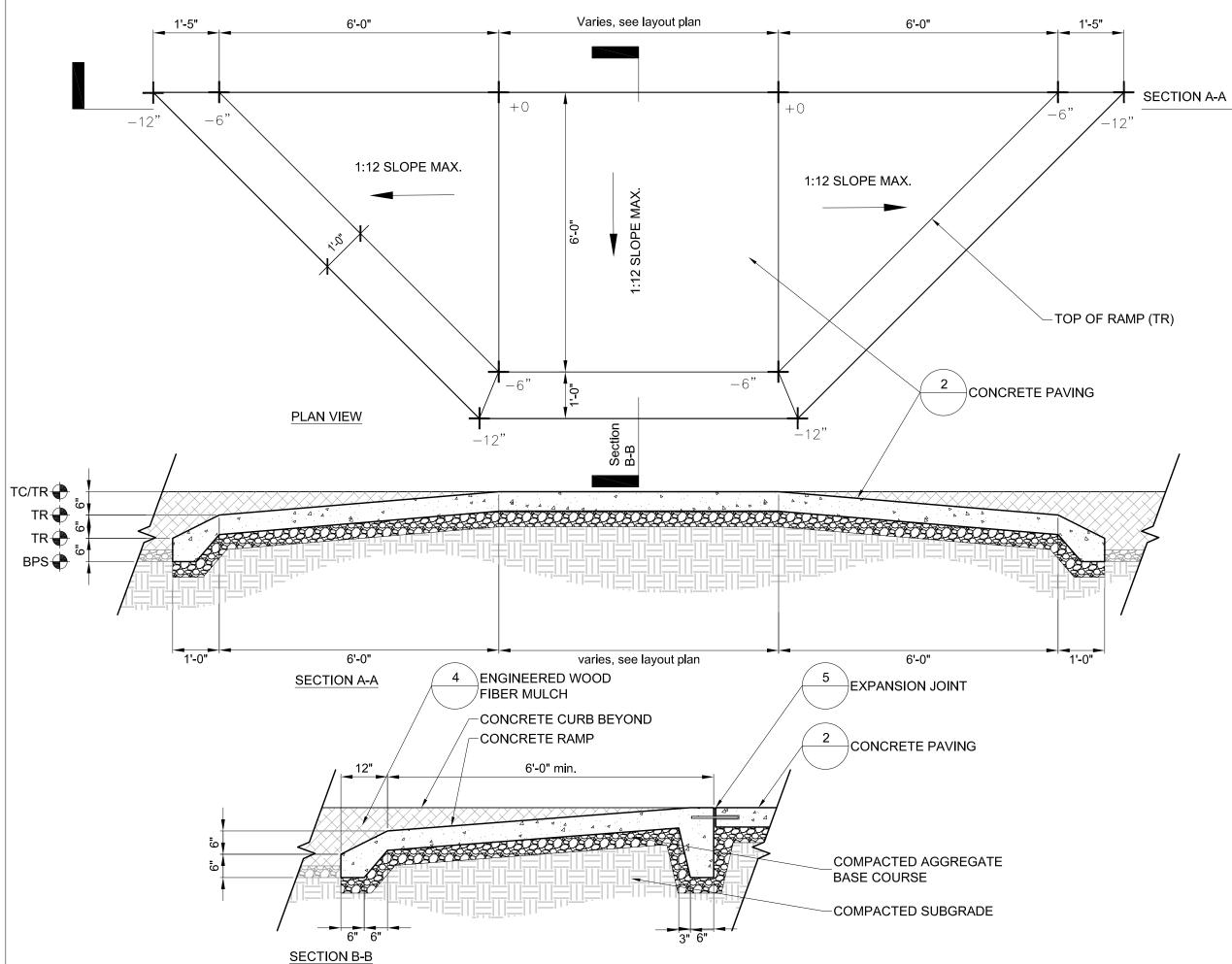
4 FEET

4 FEET

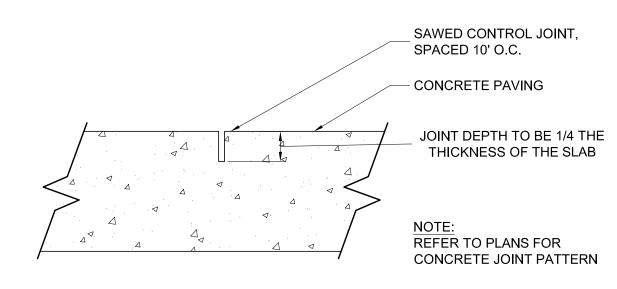
- In addition to fines and citations that may be assessed for violations of any Chapter 24 municipal code (such as not maintaining fencing around the CRZ or unauthorized removal of parkway trees), violators may be subject to the following provisions: • issuance of an invoice for the monetary loss in tree value or partial value due to damage to either the
- above ground or below ground portions of the parkway tree, or unauthorized tree removal. • forfeiture of bonds issued for the work should funds be sufficient to cover tree values and fines. • costs of repairs, such as pruning or cabling, or costs for removal of the damaged parkway tree along with
- the stump if the tree cannot remain in the right-of-way. • fines of \$500 for the 1st offense; \$1,000 for the 2nd offense; \$2,500 for 3rd and subsequent • each day during which a violation continues shall be construed as a separate and distinct offense.
- For more information, contact the Forestry Division at 630-434-5475 or 630-434-5476.











SELF LEVELING JOINT SEALANT

NON-EXTRUDING PREFORMED

AT FULL DEPTH

30" O.C. MAX.

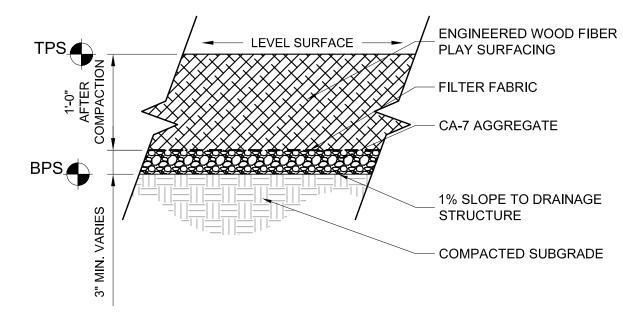
**EXPANSION JOINT FILLER (ASTM D-1751)** 

CONCRETE PAVING

18" STANDARD DOWEL WITH GREASED SLEEVE CENTERED ON JOINT, SPACED

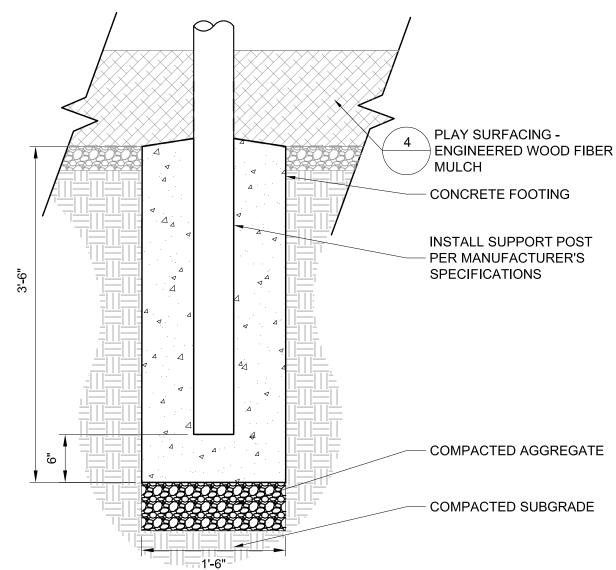
CONTROL JOINT

SCALE: 3" = 1'-0"



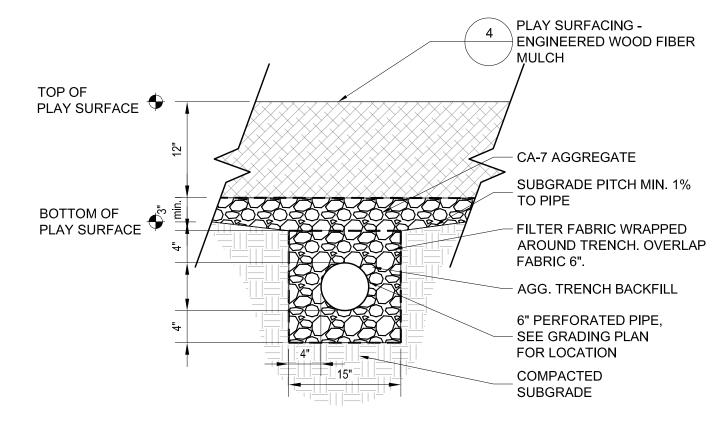
PLAY SURFACING - ENGINEERED WOOD FIBER MULCH

SCALE: 1" = 1'-0"



PLAY STRUCTURE FOOTING

SCALE: 1"=1'-0"



1. PREFORMED FLEXIBLE FOAM EXPANSION JOINT FILLER NOT ACCEPTED.

2. EACH EXPANSION JOINT SHALL HAVE (2)  $\frac{3}{4}$ " DOWEL BARS, 18" LONG AND PROPERLY LUBRICATED,

5. PREFORMED EXPANSION JOINT 1/2" THICK SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL

6. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS

6. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE CURB ABUTS EXISTING CURB.

3. EXPANSION JOINTS  $\frac{3}{4}$ " THICK SHALL BE WHERE PROPOSED CONCRETE MEETS EXISTING CONCRETE,

AT 50 FT INTERVALS FOR HAND POURS AND 100 FT INTERVALS FOR SLIP OR MONOLITHIC POURS.

4. EXPANSION JOINTS, ½" THICK SHALL BE AT EVERY P.C. & P.T. OF CURVATURE, 5 FT EACH SIDE OF

8 UNDERDRAIN - PLAYGROUND SCALE: 1" = 1'-0"

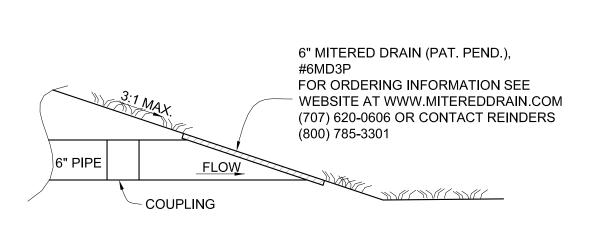
PLACED AT MID DEPTH.

**EXPANSION JOINT** 

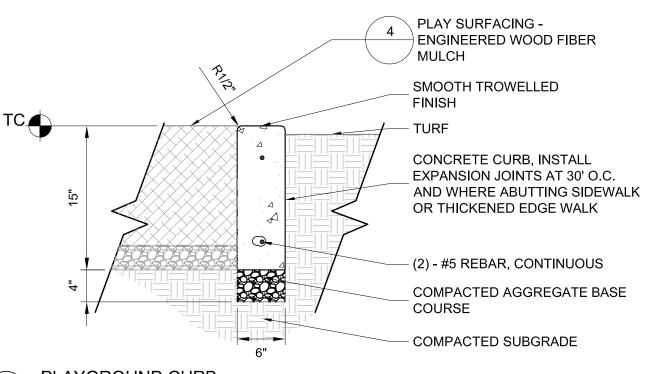
SCALE: 3" = 1'-0"

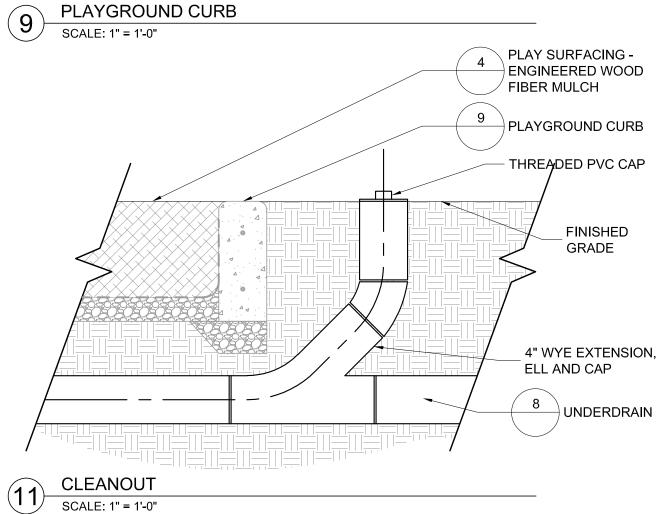
STRUCTURES, AND AT END OF POURS.

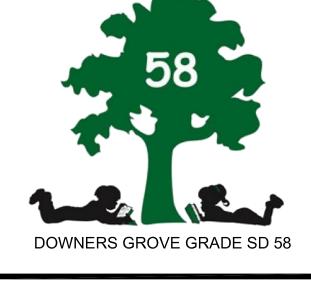
AND WHERE THE SIDEWALK ABUTS A CURB.



0 MITER DRAIN NTS









Wight & Company
wightco.com

2500 North Frontage Road

P 630.969.7000 F 630.969.7979

Darien, IL 60561

ISSUED FOR BID 02/16/23

ISSUED FOR PERMIT 01/24/23

REV DESCRIPTION DATE

### INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

**DETAILS** 

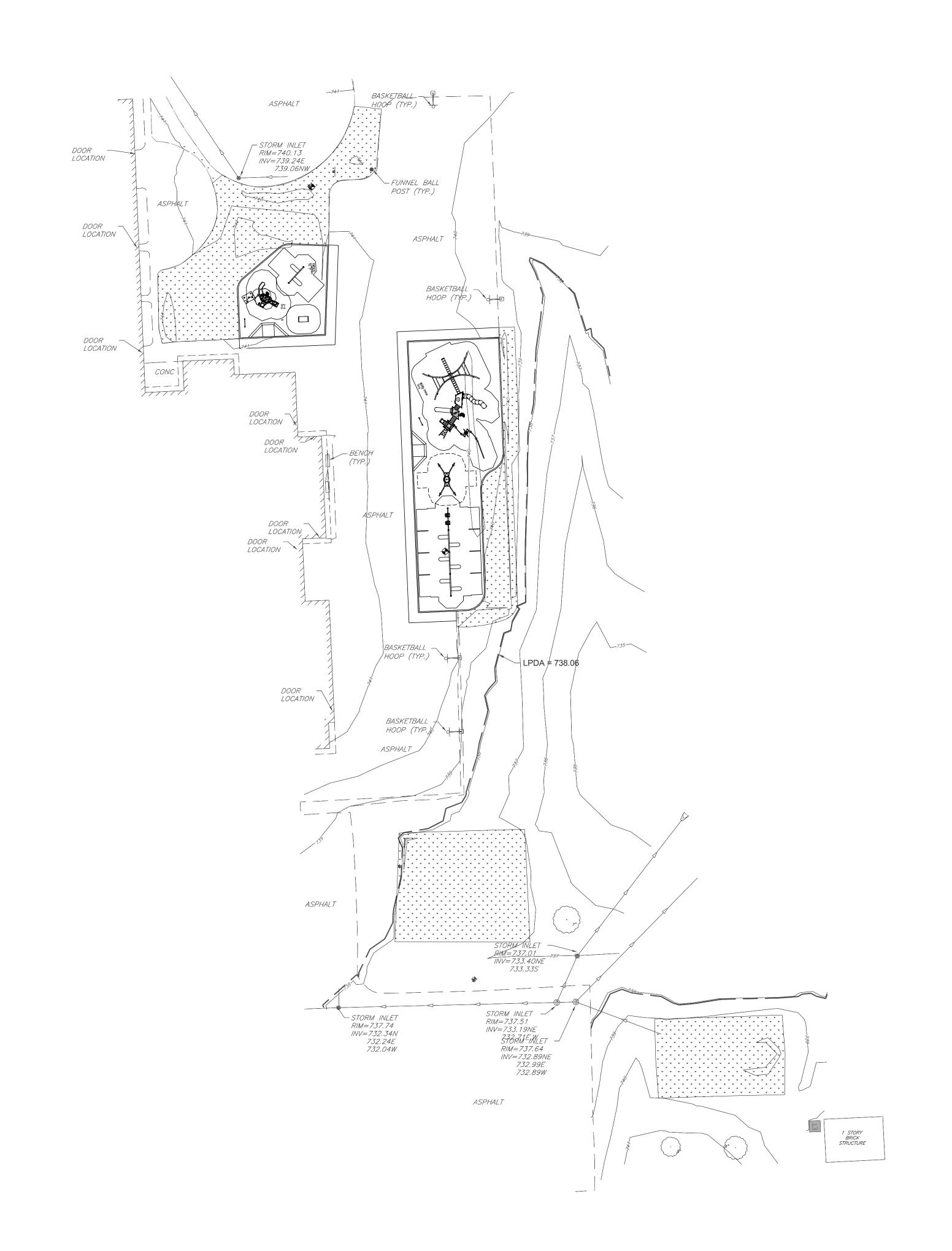
Sheet:

Project Number: Scale:
200032

Drawn By:

LMB

C4.01



SOD

#### LANDSCAPE NOTES

 SOD LIMIT LINE IS APPROXIMATE. RESTORE TO LIMITS OF DISTURBANCE. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH TOPSOIL (MIN. 6" DEPTH), FERTILIZER, AND SOD AS SHOWN.

2. CONTRACTOR RESPONSIBLE TO RESTORE ALL AREAS

- DISTURBED BY CONSTRUCTION, OUTSIDE SCOPE LIMIT, TO EXISTING CONDITION.

  3. THE CONTRACTOR SHALL PROTECT ALL TREES SHOWN ON THE PLANS. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING AS SHOWN ON PLANS AND DETAILS
- PRIOR TO BEGINNING WORK.

  4. THE CONTRACTOR WILL MAKE NO SUBSTITUTIONS
  WITHOUT PRIOR WRITTEN CONSENT BY THE LANDSCAPE
  ARCHITECT. THE CONTRACTOR WILL SUBMIT ANY
  SUBSTITUTIONS IN WRITING TO THE LANDSCAPE
  ARCHITECT.
- 5. ALL PLANTING TECHNIQUES AND METHODS SHALL BE CONSISTENT WITH THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AND AS DETAILED ON THESE DRAWINGS. DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
- 6. TREES PLACED IN TURF AREAS WILL HAVE 6' DIA. MULCH RING WITH 3" DEEP SPADE CUT EDGE.
- TREES SHALL BE INSTALLED A MINIMUM OF 10'
   HORIZONTALLY FROM NEAREST LIGHT POLE.
   TREES SHALL BE INSTALLED A MINIMUM OF 5'
   HORIZONTALLY FROM UNDERGROUND ELECTRICAL

FEEDERS, SANITARY SEWERS, SANITARY SERVICES,

- WATER MAINS, AND WATER SERVICES.

  9. TREES SHALL BE INSTALLED A MINIMUM OF 10'
  HORIZONTALLY FROM UTILITY STRUCTURES AND
  APPURTENANCES, INCLUDING, BUT NOT LIMITED TO
  MANHOLES, VALVE VAULTS, VALVE BOXES, AND FIRE
- 10. ANY AREA COMPACTED BY CONSTRUCTION TRAFFIC SHALL BE TILLED OR RESTORED TO ALLOW FOR SUITABLE
- PLANTING CONDITIONS.

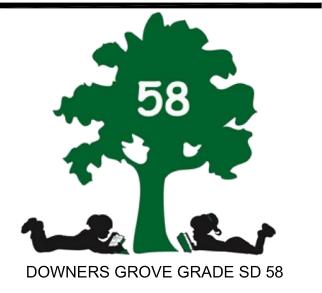
  11. THE CROWNS AND ROOTS OF TREES WHICH ARE TO BE PRESERVED IN THE PROJECT AREA, BUT WHICH COULD BE NEGATIVELY AFFECTED DURING THE CONSTRUCTION PROCESS, SHALL BE PRUNED BY A QUALIFIED ARBORIST ACCORDING TO THE TREE PRUNING STANDARDS SET BY ANSI 2100 CODE.
- 12. USE MWRD BIOSOLIDS FOR AMENDING TOPSOIL.13. CONTRACTOR SHALL INCLUDE DAILY WATERING FOR ALL
- 13. CONTRACTOR SHALL INCLUDE DAILY WATERING FOR ALL SOD, FOR A 3-WEEK DURATION.
  14. CONTRACTOR RESPONSIBLE FOR MAINTAINING EXISTING AND NEW TURF TO VILLAGE ORDINANCE STANDARDS
- MOWING, WEED WHIPPING & TRASH REMOVAL.

  15. EXISTING TREES TO REMAIN SHALL HAVE A 6' DIAMETER MULCH RING INSTALLED WITH 3" DEEP SPADE CUT EDGE.

DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES

MULCH RING INSTALLED WITH 3" DEEP SPADE CUT EDGE.

16. CONTRACTOR RESPONSIBLE TO RESTORE
CONSTRUCTION ENTRANCE WITH SOD.





Wight & Company wightco.com

2500 North Frontage Road Darien, IL 60561

P 630.969.7000 F 630.969.7979

	ISSUED FOR BID	02/16/23
	ISSUED FOR PERMIT	01/24/23
REV	DESCRIPTION	DATE

## INDIAN TRAIL ELEMENTARY SCHOOL PLAYGROUND

6235 Stonewall Avenue Downers Grove, IL 60516

#### **OVERALL LANDSCAPE PLAN**

Project Number:	Scale:			1" = 30'
200032				
Drawn By:	0'	15'	30'	60'
LMB				
054-				



L1.00