



CITY OF PHILADELPHIA

DEPARTMENT OF PARKS AND RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - MICHAEL DIBERARDINIS

COMMISSIONER - PUBLIC PROPERTY - BRIDGET COLLINS-GREENWALD

COMMISSIONER OF PARKS AND RECREATION - KATHRYN OTT LOVELL

RENOVATIONS TO:

GIFFORD PLAYGROUND

575 TOMLINSON ROAD

PHILADELPHIA, PA

DPP PROJECT NO. 16-14-4230-01

LANDSCAPE ARCHITECT & CIVIL ENGINEER:



GILMORE & ASSOCIATES, INC.

DESIGN, LANDSCAPE ARCHITECTURE,
ENGINEERING & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1817 JFK BOULEVARD, SUITE 425
PHILADELPHIA, PA 19103
PHONE: (800)-344-5667

ABBREVIATIONS

TBR	TO BE REMOVED	FBO	FURNISHED BY OTHERS	SQ	SQUARE
PT	POINT OF TANGENCY	FIXT	FIXTURE	STA	STATION
PC	POINT OF CURVE	FR	FROM RECORD	STL	STEEL
DI	DUCTILE IRON	FT	FOOT OR FEET	TC	TOP OF CURB
CI	CAST IRON	FTG	FOOTING	BC	BOTTOM OF CURB
RCP	REINFORCED CONCRETE PIPE	GA	GAUGE	TW	TOP OF WALL
PVC	POLYVINYL CHLORIDE	GALV	GALVANIZED	BW	BOTTOM OF WALL
INV.	INVERT ELEVATION	GR	GRADE	TEL	TELEPHONE
T.G.	TOP OF GRATE ELEVATION	HT	HEIGHT	W	WATER
C.O.	CLEAN OUT	CAL	CALIPER	SAN	SANITARY
FFE	FINISH FLOOR ELEVATION	GAL	GALLON	SD	STORM DRAIN
JNT	JOINT	QT	QUART	T	TREAD
EXP	EXPANSION	HDPE	HIGH DENSITY POLYETHYLENE	TS	TOP OF STEP
CJ	CONTROL JOINT	PE	POLYETHYLENE	BS	BOTTOM OF STEP
EJ	EXPANSION JOINT	HORIZ	HORIZONTAL	TYP	TYPICAL
CONST	CONSTRUCTION	VERT	VERTICAL	WWF	WELDED WIRE FABRIC
CIP	CAST-IN-PLACE	R	RADIUS OR RISER	SPD	SPREAD
CL	CENTERLINE	RAD	RADIUS		
CONC	CONCRETE	KJ	KEYED JOINT		
COND	CONDUIT	LP	LOW POINT		
CTR	CENTER	MET	METAL		
PNT	POINT	SS	STAINLESS STEEL		
CU YD	CUBIC YARD	MFR	MANUFACTURER		
DEP	DEPRESSED	MIN	MINIMUM		
DN	DOWN	MISC	MISCELLANEOUS		
DIA	DIAMETER	NIC	NOT IN CONTRACT		
DWL	DOWEL	CCL	CONTRACT LIMIT LINE		
EA	EACH	LOD	LIMIT OF DISTURBANCE		
EL	ELEVATION	LOW	LIMIT OF WORK		
ELEC	ELECTRIC	NO.#	NUMBER		
EQ	EQUAL	NTS	NOT TO SCALE		
EF	EACH FACE	OC	ON CENTER		
EW	EACH WAY	PERF	PERFORATED		
EX	EXISTING	POB	POINT OF BEGINNING		
UD	UNDERDRAIN	SCH	SCHEDULE		
FG	FINISH GRADE	SCHED	SCHEDULE		
		SF	SQUARE FOOT		

SYMBOLS

	EXISTING 1 FT CONTOURS
	EXISTING SPOT ELEVATION
	EXISTING UTILITY POLE
	EXISTING STORM SEWER INLET
	EXISTING SIGN
	EXISTING LIGHT POLES
	EXISTING WATER MAIN
	EXISTING DRAINAGE PIPE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING GAS LINE
	EXISTING FENCE LINE
	PROPOSED 1 FT CONTOURS
	DRAINAGE FLOW ARROW & SLOPE
	PROPOSED SPOT ELEVATION
	PROPOSED TOP/BOTTOM OF CURB SPOT ELEVATION
	PROPOSED TOP OF GRATE ELEVATION

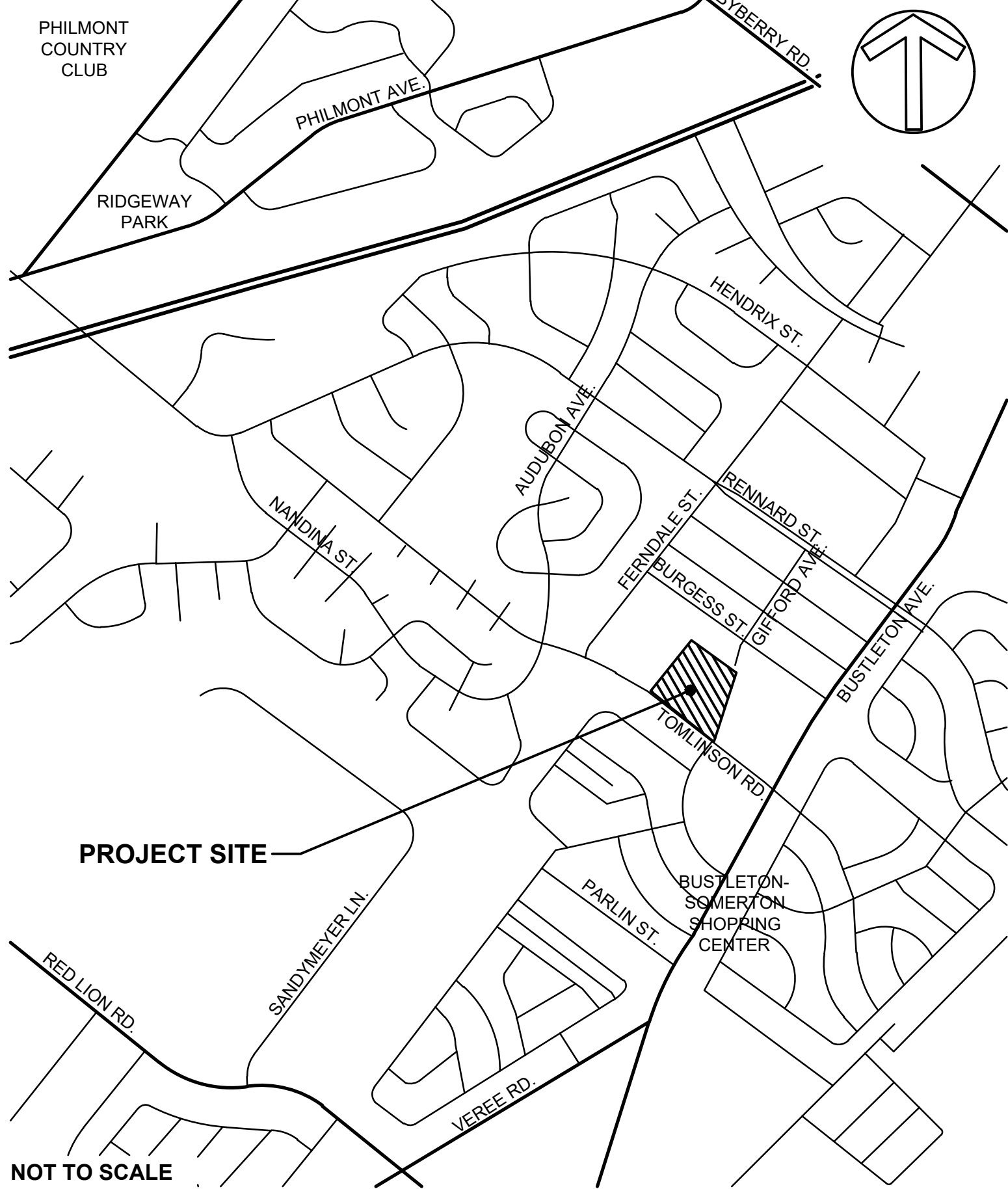
DRAWING LIST

CS-1	COVER SHEET
G-1.0	GENERAL AND PLAN NOTES
L-1.0	EXISTING FEATURES & DEMOLITION PLAN
L-2.0	OVERALL SITE IMPROVEMENT PLAN
L-2.1	PLAYGROUND AREA ENLARGEMENT PLAN
L-2.2	SPRAY AREA ENLARGEMENT PLAN
L-2.3	SPRAYGROUND PIPING PLAN
L-3.0	OVERALL SITE LAYOUT PLAN
L-4.0	GRADING & DRAINAGE PLAN
L-4.1	SPRAYGROUND GRADING & DRAINAGE PLAN
L-5.0	EROSION & SEDIMENTATION CONTROL PLAN
L-5.1	EROSION & SEDIMENTATION CONTROL NOTES AND DETAILS
L-6.0	LANDSCAPE PLANTING PLAN

D-1.0	SITE CONSTRUCTION DETAILS
D-2.0	SITE CONSTRUCTION DETAILS
D-3.0	SITE CONSTRUCTION DETAILS
D-4.0	SITE CONSTRUCTION DETAILS

E-1	ELECTRICAL PLANS AND DETAILS
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LOCATION PLAN



PROJECT APPROVED

COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY	
DEPUTY COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY	
PROJECT DIRECTOR/DPP-CAPITAL PROJECTS DIVISION	
ART COMMISSION	
HISTORICAL COMMISSION	
SEALS	
KEVIN M. SELGER, RLA - PA LICENSE 002685	
CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY	
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING	
PHILADELPHIA	PENNSYLVANIA
PROJECT NO. 16-12-4230-01	DRAWING NO.
CONSULTANT PROJECT NO. 14-02041-07	
DATE 12/10/2018	
SCALE AS NOTED	
DRAWN BY MDS	
CHECKED BY KMS	
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE SERVED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	

CS-1

GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL PLANS, SPECIFICATIONS, AND WORK ASSOCIATED WITH THIS PROJECT.
2. EXISTING FEATURES BACKGROUND AND EXISTING CONDITIONS INFORMATION IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD. NO DIGGING OR EXCAVATIONS WERE DONE IN THE PREPARATION OF THE EXISTING FEATURES BACKGROUND OR EXISTING CONDITIONS INFORMATION. THEREFORE, ALL UNDERGROUND UTILITIES SHOWN OR DEPICTED SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES AND/OR FACILITIES NOT SHOWN HEREON. ALL THE DESIGNERS AND CONTRACTORS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED HEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 187, HOUSE BILL 2627, AMENDING THE ACT OF DECEMBER 17, 1974 (P.L. 852, NO. 287) PN 1460 1996 EFFECTIVE 12/19/96.
3. ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO START OF WORK AND SHALL COMPLY WITH THE REQUIREMENTS OF P.L. 852, NO. 287, DECEMBER 10, 1974 AS LAST AMENDED ON MARCH 29, 2007, PENNSYLVANIA ACT 181, GILMORE & ASSOCIATES INC. HAS OBTAINED A PA-ONE CALL SERIAL NUMBER 20183382907 FOR DESIGN PURPOSES ONLY.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM AT 1-800-242-1776 AT LEAST 3 WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK.
5. DO NOT SCALE DRAWINGS. ALL MEASUREMENTS SHALL BE TAKEN FROM DIMENSIONS SHOWN ON THE DRAWING. WHERE DIMENSIONS BETWEEN SMALL SCALE AND DETAIL DRAWINGS DIFFER, NOTIFY THE DESIGN PROFESSIONAL FOR CLARIFICATION. FIELD VERIFY ALL DIMENSIONS AND NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES.
6. INSTALL ALL MANUFACTURED ITEMS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS COMPLETE WITH ALL ITEMS AND COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION.
7. ALL CONTRACTORS WORKING ON THIS PROJECT SHALL BE RESPONSIBLE FOR INSURING THAT ALL CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT ARE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) STANDARDS.
8. THE GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR ARE RESPONSIBLE FOR PROVIDING THE APPROPRIATE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, AND OTHER INFORMATION) TO THE VARIOUS SUBCONTRACTORS AND TRADES IN ORDER FOR THEM TO COORDINATE AND PERFORM THE WORK.
9. THE GENERAL AND ELECTRICAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANY REGULATIONS AND REQUIREMENTS FOR UTILITIES AFFECTED BY THE PROJECT AND PAY ALL REQUIRED FEES AND COSTS ASSOCIATED WITH THOSE UTILITIES.
10. THE CONTRACTOR(S) SHALL OBTAIN ALL PERMITS RELATING TO THIS PROJECT PRIOR TO CONSTRUCTION.
11. IT IS THE RESPONSIBILITY ALL CONTRACTORS TO MEET ALL OF THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL AUTHORITIES, HEALTH DEPARTMENT, AND UTILITY COMPANIES IN ADDITION TO THE INFORMATION STATED IN THESE PLANS, THE SPECIFICATIONS, AND THE CONTRACT DOCUMENTS.
12. IN THE CASE OF CONFLICT BETWEEN ANY PART OF THESE PLANS, THE SPECIFICATIONS, OR THE CONTRACT DOCUMENTS, OR IF DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL NOTIFY THE PPR COORDINATOR AND DESIGN PROFESSIONAL IMMEDIATELY BY PHONE AND IN WRITING AND SHALL REQUEST A WRITTEN DETERMINATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED. IF THE WORK PROCEEDS WITH THE KNOWLEDGE OF A DISCREPANCY AND WITHOUT A WRITTEN DETERMINATION, SUCH WORK WILL NOT BE CONSIDERED IN COMPLIANCE WITH THESE PLANS, THE SPECIFICATIONS, AND CONTRACT DOCUMENTS.
13. ALL WORK WITHIN A RIGHT OF WAY (R.O.W.) OR EASEMENT SHALL BE DONE IN ACCORDANCE WITH THE AGENCY OR ENTITY HAVING JURISDICTION OR OWNERSHIP OF THAT R.O.W. OR EASEMENT. CONTRACTOR SHALL OBTAIN ALL PERMITS, APPROVALS, INSPECTIONS, ETC. FROM THE AGENCY OF ENTITY HAVING JURISDICTION FOR THIS WORK.
14. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROTECT EXISTING STRUCTURES AND FACILITIES, INCLUDING UTILITIES, NOT DESIGNATED FOR DEMOLITION OR REPLACEMENT/UPGRADE SUCH AS BUILDINGS, PIPES, INLETS/MANHOLES, CABLES/WIRES, CONDUITS, APRONS, PAVEMENTS, BRIDGES, UTILITIES, TREES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN UNDERCUT AREAS. THE CONTRACTOR(S) SHALL REPLACE OR REPAIR, AS DIRECTED BY THE DESIGNER, ANY STRUCTURES OR FACILITIES DAMAGED DURING CONSTRUCTION OF THE PROJECT. THE CONTRACTOR(S) SHALL REPLACE OR REPAIR, AS DIRECTED BY THE PPR COORDINATOR/INSPECTOR OR DESIGN PROFESSIONAL, ANY STRUCTURES OR FACILITIES DAMAGED DURING CONSTRUCTION OF THE PROJECT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
15. THE CONTRACTOR(S) SHALL PROVIDE POSITIVE PROTECTION (MATS/SHEET COVERINGS) FOR ALL EXPOSED EXCAVATIONS TO PROTECT FROM INSTABILITY AND DETEIORATION DUE TO RAIN, WIND OR SNOWICE.
16. THE CONTRACTOR SHALL PROVIDE SURFACE DRAINAGE CHANNELS OR DIVISION DIKES, SLUMPS AND SUMP PUMPS AND/OR OTHER DEWATERING MEASURES AS REQUIRED TO PROTECT ALL EXCAVATIONS FROM FLOODING. FLOODING OF ANY EXCAVATION OF THE SUBGRADE WILL BE CAUSE FOR COMPLETE REPREPARATION AND REAPPROVAL OF THE SUBGRADE.
17. THE CONTRACTOR SHALL PROTECT POURED-IN-PLACE RUBBER SAFETY SURFACES DURING INSTALLATION AND AFTER THEY ARE INSTALLED. CONTRACTOR SHALL PREVENT SOIL OR OTHER DEBRIS FROM BEING DEPOSITED ON THESE SURFACES. IF THESE SURFACES ARE DAMAGED, HAVE HAD DEBRIS PLACED ON THEM, OR HAVE OTHER FOREIGN RESIDUES DEPOSITED ON THEM THE SURFACES SHALL BE CLEANED OR REPLACED TO THE SATISFACTION OF PHILADELPHIA PARKS AND RECREATION OR THE DESIGN PROFESSIONAL, AT THE GENERAL CONTRACTOR'S EXPENSE.
18. ALL ORGANIC, WET, SOFT AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM PAVEMENT SUBGRADE AND BACKFILLED WITH SUITABLE GRANULAR, FREE DRAINING MATERIAL. NO PAVEMENTS OR SLABS SHALL BE PLACED ONTO SUBGRADE CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER OR FROST ENTER AN EXPOSED EXCAVATION AFTER SUBGRADE APPROVAL, THE SUBGRADE SHALL BE REINSPECTED BY THE INDEPENDENT TESTING AND INSPECTION AGENCY AFTER REMOVAL OF WATER OR FROST.
19. THE CONTRACTOR(S) SHALL MAINTAIN ALL EROSION CONTROLS DURING CONSTRUCTION.
20. THE CONTRACTOR(S) SHALL ERECT PROTECTIVE DEVICES, SUCH AS TEMPORARY CHAIN-LINK FENCING, TO PROTECT THE SITE FROM UNAUTHORIZED PERSONS FROM ENTERING THE WORK SITE.
21. THE CONTRACTOR(S) SHALL MAINTAIN ACCESS TO THE EXISTING RECREATION CENTER AT ALL TIMES TO THE DESIGNATED DOORWAY(S) DIRECTED BY THE CITY OF PHILADELPHIA. ANY SHUT DOWNS, CLOSURES, AND/OR DOORWAY OBSTRUCTIONS SHALL BE COORDINATED WITH AND APPROVED BY THE CITY OF PHILADELPHIA REPRESENTATIVE.
22. THE CONTRACTOR(S) SHALL COORDINATE THE TEMPORARY SHUT-DOWN OF DOORWAYS WITH THE DPP COORDINATOR AND WITH THE RECREATION CENTER MANAGER. AT MINIMUM, EACH SIDE OF THE BUILDING SHALL HAVE AT LEAST ONE UNOBSTRUCTED DOORWAY THAT CAN BE UTILIZED FOR EMERGENCY EGRESS AT ALL TIMES. TEMPORARY SHUT DOWNS OF DOORWAYS SHALL BE REMOVED TO PERFORM THE NECESSARY WORK ADJACENT TO THE EXISTING DOORWAYS. WORK MAY CONTINUE IN THESE AREAS AFTER THE DOORWAY IS REOPENED FOR EMERGENCY EGRESS PURPOSES. IT IS NOT INTENDED THAT THE DOORWAYS WITHIN THIS WORK AREA WILL BE USED FOR NORMAL ACCESS, ONLY FOR EMERGENCY EGRESS PURPOSES.
23. THE CONTRACTOR(S) ARE RESPONSIBLE FOR THE PROTECTION OF EXISTING TREES TO REMAIN. NO EQUIPMENT, MATERIALS, SOIL, OR OTHER DEBRIS SHALL BE STORED UNDER THE DRIPLINE OF THE TREE. IF TREES ARE DAMAGED, ITEMS ARE STORED, OR AREA UNDER THE DRIP IS DISTURBED, OTHER THAN DISTURBANCE CALLED FOR ON THE PLANS, IT IS THE CONTRACTOR'S RESPONSIBILITY CORRECT THE DAMAGE TO THE SATISFACTION OF THE PPR COORDINATOR OR THE DESIGN PROFESSIONAL.
24. IF IT BECOMES NECESSARY TO CLOSE A PORTION OF THE ADJACENT STREET OR SIDEWALK DURING CONSTRUCTION, THE CONTRACTOR(S) SHALL NOTIFY THE LOCAL AUTHORITY HAVING JURISDICTION. THE CONTRACTOR(S) SHALL OBTAIN ALL PERMITS REQUIRED FOR THIS WORK OR CLOSURE.
25. THE CONTRACTOR(S) SHALL KEEP ALL PUBLIC AREAS CLEAN OF DEBRIS ON A DAILY BASIS. THE CITY OF PHILADELPHIA MAINTAINS THE RIGHT TO CLEAN THE PROJECT SITE FOR CONTRACTOR NON-COMPLIANCE AT CONTRACTOR'S EXPENSE.
26. ALL MATERIAL REMOVED FROM THE PROJECT SITE SHALL BE DISPOSED OF IN A LAWFUL MANNER ACCORDING TO APPLICABLE LOCAL, STATE, AND/OR FEDERAL REGULATIONS.
27. THE CONTRACTOR(S) SHALL COMPLY WITH THE CLEAN FILL REQUIREMENTS AS NOTED ON THIS DRAWING AND PER APPLICABLE LOCAL, STATE, AND/OR FEDERAL REGULATIONS.

DEMOLITION NOTES:

1. THE CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER, OWNER'S REPRESENTATIVE AND DESIGN PROFESSIONAL OF ANY DISCREPANCIES. COMMENCEMENT WITH ANY WORK MEANS CONTRACTOR HAS ACCEPTED EXISTING AND FIELD CONDITIONS.
2. IN ACCORDANCE WITH PENNSYLVANIA STATE LAW, NOTIFY ALL UTILITY COMPANIES (1-800-242-1776 PENNSYLVANIA ONE CALL SYSTEM) AT LEAST (3) THREE BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
3. THE CONTRACTOR(S) SHALL OBTAIN ALL REQUIRED PERTINENT PERMITS FOR THIS WORK AND COMPLY AND ADHERE TO ALL APPLICABLE REGULATIONS SET FORTH.
4. PERFORM DEMOLITION WORK IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND ORDINANCES AND WITH NATIONAL STANDARD SAFETY REQUIREMENTS FOR DEMOLITION.
5. DO NOT INTERFERE WITH THE USE OF ADJACENT BUILDING OR SITE AREAS.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROTECT EXISTING STRUCTURES AND FACILITIES, INCLUDING UTILITIES, NOT DESIGNATED FOR DEMOLITION OR REPLACEMENT/UPGRADE SUCH AS BUILDINGS, PIPES, INLETS/MANHOLES, CABLES/WIRES, CONDUITS, APRONS, PAVEMENTS, BRIDGES, UTILITIES, TREES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN UNDERCUT AREAS. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE DESIGNER, ANY STRUCTURES OR FACILITIES DAMAGED DURING CONSTRUCTION OF THE PROJECT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
7. PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE TO ADJACENT WALKWAYS, PAVEMENT, STRUCTURES, OR OTHER SITE ELEMENTS TO REMAIN. ANY MOVEMENT, DAMAGE, OR SETTLEMENT THAT OCCURS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
8. PROTECT ALL EXISTING PLANT MATERIALS FROM DAMAGE UNLESS THEY ARE INDICATED TO BE REMOVED. DO NOT PARK OR STORE CONSTRUCTION VEHICLES, EQUIPMENT, AND/OR MATERIALS UNDER THE CANOPY (WITHIN THE DRIP LINE) OF ANY TREE TO REMAIN. ANY DAMAGE SHALL BE REPAIRED OR THE PLANT MATERIAL REPLACED WITH PLANTS OF THE SAME SIZE BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. ANY REPLACEMENT PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
9. PROVIDE, ERECT AND MAINTAIN BARRICADE AND LIGHTING AS REQUIRED BY APPLICABLE REGULATION TO PROTECT OCCUPANTS OF BUILDING/FACILITY AND WORKERS.
10. DEMOLISH AND REMOVE WORK IN A MANNER WHICH ALLOWS FOR INTRODUCTION OF NEW ADJACENT WORK WITH-OUT DAMAGING EDGE CONDITIONS TO THE EXISTING WORK.
11. DEMOLITION OF EXISTING UTILITIES INCLUDES THE REMOVAL OF PIPE, UTILITY STRUCTURES, DRAINS, MANHOLES, ENCASEMENT, FITTINGS, VALVES, ETC.
12. DISPOSE OF ALL UNSALVABLE MATERIAL AND DEBRIS RESULTING FROM THE WORK OFF OF THE SITE AND THE WORK AREAS CLEAN AND READY FOR NEW WORK.
13. MAINTAIN UTILITY SERVICES TO ACTIVE EXISTING BUILDINGS AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PERIOD. COORDINATE WITH THE OWNER AND UTILITY PROVIDERS FOR ALL SHUTDOWNS FOR UTILITY CONSUMPTION AND RELOCATION WORK.
14. ALL UTILITIES NOT SCHEDULED/INDICATED FOR DEMOLITION WITHIN THE LIMIT OF DEMOLITION WORK AREA SHALL BE PROTECTED AND MAINTAINED DURING CONSTRUCTION.
15. SEE EROSION AND SEDIMENTATION CONTROL PLANS, NOTES AND DETAILS FOR EROSION CONTROL MEASURES AND CONSTRUCTION SEQUENCE.
16. ALL MATERIALS DEMOLISHED, UNLESS IDENTIFIED TO BE SAVED OR SALVAGED (CONCRETE, PAVING, ROOT MAT, FENCING AND ALL OTHER DEBRIS) SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PER FEDERAL, STATE, AND LOCAL REGULATIONS. ALL COSTS OF HAULING, DISPOSAL, AND TIPPING FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE BASE BID.
17. ALL MATERIALS IDENTIFIED TO BE SALVAGED SHALL BE REMOVED WITH CARE TO PREVENT AND MINIMIZE DAMAGE AND SHALL BE STORED ON-SITE FOR REUSE OR FOR RETRIEVAL BY OWNER OR THE OWNER'S REPRESENTATIVE.
18. ALL QUANTITIES OF DEMOLITION SHALL BE DETERMINED BY THE CONTRACTOR AND COVERED IN THE BASE BID. CONTRACTOR SHALL MAKE NECESSARY SITE INSPECTIONS PRIOR TO BID TO VERIFY ALL QUANTITIES AND CONDITIONS TO HISHER SATISFACTION.
19. SAWCUT AND TRIM ALL EXISTING CONCRETE AND ASPHALT PAVEMENT EDGES PRIOR TO INSTALLING NEW PAVING. ENDS OF DAILY NEW ASPHALT PAVEMENT INSTALLATIONS SHALL BE SAWCUT AND TRIMMED NEATLY TO RECEIVE AND INTERSECT NEXT AREA OF NEW ASPHALT PAVEMENT.
20. ALL EXCAVATED MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A LAWFUL MANNER.
21. REFER TO THE GENERAL NOTES SHEET FOR MORE INFORMATION ON MAINTAINING BUILDING ACCESS AND EGRESS FROM DOORWAYS DURING CONSTRUCTION.

SITE LAYOUT NOTES:

1. VERIFY ALL DIMENSIONS AND ACCEPT SITE CONDITIONS PRIOR TO COMMENCING WORK. COMMENCING WORK MEANS THE CONTRACTOR(S) HAVE ACCEPTED SITE CONDITIONS.
2. ALL DIMENSIONS ARE FROM FACE OF BUILDING/CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. WALKWAYS ABUTTING CURBS OR WALLS SHALL BE MEASURED FROM THE BACK OF THE CURB/WALL.
3. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
4. ALL RADII AND DIMENSIONS ARE TO THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL UNLESS OTHERWISE NOTED WITH (B-B), WHICH INDICATES BACK OF CURB, WALL, ETC.
5. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR LAYOUT AS DETAILED IN THESE CONSTRUCTION DOCUMENTS FOR THIS PROJECT.
6. THE NEW PAVING SHALL PROVIDE A SMOOTH TRANSITION TO EXISTING PAVING WITHOUT ABRUPT CHANGE IN GRADE.

PLAYGROUND NOTES:

NOTE:
GENERAL CONTRACTOR IS RESPONSIBLE FOR SITE PREPARATION OF THE PLAYGROUND AREA AND SHALL COORDINATE ALL WORK WITH THE PLAYGROUND EQUIPMENT INSTALLATION CONTRACTOR'S WORK. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF PLAYGROUND SURFACING AS INDICATED ON THE PLANS.

1. PLAYGROUND EQUIPMENT, SAFETY ZONES, AND CRITICAL FALL HEIGHTS LISTED ARE PER DRAWINGS AND INFORMATION PROVIDED BY GAM TIME, 150 PLAYCORE DRIVE SE, FORT PAYNE, ALABAMA 35967, PHONE: AND BY MRC, P.O. BOX 440, NEWTOWN SQUARE, PA 19073, PHONE: (800) 726-4793.
2. UTILIZE PLAYGROUND EQUIPMENT INSTALLATION DRAWINGS AND INSTRUCTIONS PROVIDED BY THE MANUFACTURER FOR PLAYGROUND EQUIPMENT LAYOUT AND ASSEMBLY.
3. SAFETY ZONES SHALL MEET THE REQUIREMENTS OF THE PUBLIC PLAYGROUND SAFETY HANDBOOK PUBLISHED BY THE UNITED STATES CONSUMER PRODUCT SAFETY COMMISSION.
4. PLAYGROUND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE PUBLIC PLAYGROUND SAFETY HANDBOOK PUBLISHED BY THE UNITED STATES CONSUMER PRODUCT SAFETY COMMISSION AND THE REQUIREMENTS OF ASTM F1487.
5. SAFETY SURFACE DEPTHS SHALL MEET OR EXCEED THE FALL HEIGHT REQUIREMENTS FOR THE VARIOUS PLAYGROUND EQUIPMENT PIECES/UNITS SPECIFIED PER ASTM F1487.
6. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF "PLAYGROUND WARNING SIGN" AS DETAILED ON DETAIL 2/DRAWING D-2

SPRAY GROUND NOTES:

1. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS OF THE SPRAY GROUND SYSTEM, INCLUDING BUT NOT LIMITED TO: SPRAY COMPONENTS, WATER SUPPLY PIPING, ELECTRICAL CONDUIT AND WIRING, CONTROLLER, POWER SUPPLY, VALVES, MANIFOLDS, BACKFLOW PREVENTORS, ETC. FOR PROPER FUNCTION OF THE SPRAY GROUND SYSTEM.
2. ALL WATER PIPING, SPRAY COMPONENTS, VALVES, MANIFOLDS, ETC. SHALL BE INSTALLED BY A LICENSED/ CERTIFIED PLUMBER.
3. PIPING INDICATED ON THIS PLAN IS SCHEMATIC AND SHALL BE MEASURED AND VERIFIED ON SITE.
4. WATER SUPPLY LINES FROM SPRAY COMPONENTS SHALL HAVE POSITIVE DRAINAGE TOWARD SYSTEM, LOW-POINT, 1.0% MINIMUM FOR DRAINAGE AND WINTERIZING. CONTRACTOR TO PROVIDE DRAINAGE VALVE(S) SO ALL SUPPLY LINES CAN BE DRAINED COMPLETELY FOR WINTER. CONTRACTOR SHALL VERIFY LOW-POINT DEPTH FOR POSITIVE DRAINAGE.
5. CONTRACTOR SHALL INSTALL WATER METER IN BELOW GRADE VAULT/ PIT AS APPROVED BY THE PHILADELPHIA WATER DEPARTMENT.
6. CONTRACTOR SHALL INSTALL REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE IN ABOVE GRADE METAL, HEATED, AND LOCKABLE ENCLOSURE AS APPROVED BY THE PHILADELPHIA WATER DEPARTMENT (PWD) AND THE PWD CROSS CONNECTION CONTROL STANDARDS.
7. CONTRACTOR SHALL MEET PHILADELPHIA WATER DEPARTMENT AND PHILADELPHIA PUMPING CODE REQUIREMENTS FOR SPRAY GROUND WATER SERVICE CONNECTION TO CITY WATER SERVICE.
8. CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FOR ANY SERVICE SHUT-DOWNS OR DISRUPTIONS WITH RECREATION CENTER AND CITY OF PHILADELPHIA PROJECT COORDINATORS. CONTRACTOR SHALL PROVIDE A MINIMUM OF 10 WORKING DAYS NOTICE PRIOR TO SHUT-DOWN OR DISRUPTION.
9. GPM PROVIDED IN THE SPRAY COMPONENT VALVE TABLE IS FOR LOW FLOW NOZZLES.
10. CONTRACTOR SHALL BOND ALL SPRAY COMPONENTS TOGETHER WITH BONDING WIRE AND BASE PLATE TO NEAREST GROUNDED LIGHT POLE.
11. CONTRACTOR SHALL VERIFY SITE WATER PRESSURE PRIOR TO COMMENCING WORK. PREVIOUS MEASUREMENTS INDICATE SITE PRESSURE IS AT APPROXIMATELY 30 TO 40 PSI. NOTIFY PPR PROJECT COORDINATOR AND DESIGN PROFESSIONAL IF DEVIATIONS EXCEED PLUS OR MINUS 5 PSI.
12. INSTALL FLOW BALANCING THROTTLING BALL VALVES AS INDICATED ON PLAN, TO PROVIDE EQUALIZED FLOWS AT SPRAY FEATURES IF NOT INCLUDED AS PART OF SPRAY MANIFOLD.
13. VERIFY ELEVATIONS OF COMPONENTS AND FINAL FINISH GRADES OF CONCRETE PAVING PRIOR TO INSTALLING COMPONENTS.
14. DIMENSIONS PROVIDED ARE APPROXIMATE AND SHALL BE VERIFIED IN FIELD.
15. CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FOR ANY SERVICE SHUT-DOWNS OR DISRUPTIONS WITH RECREATION CENTER AND CITY OF PHILADELPHIA PROJECT COORDINATORS. CONTRACTOR SHALL PROVIDE A MINIMUM OF 10 WORKING DAYS NOTICE PRIOR TO SHUT-DOWN OR DISRUPTION.
16. ALL WATER PIPING SHALL BE PRESSURE TESTED (125PSI FOR 4 HOURS) AFTER TRENCHES ARE BACKFILLED SUFFICIENTLY TO HOLD PIPING FIRMLY IN POSITION WITH NO FITTINGS BACKFILL. ANY LEAKAGE DISCOVERED SHALL BE CORRECTED AND PIPING SHALL BE RETESTED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

GENERAL EARTHWORK, GRADING, AND DRAINAGE NOTES:

1. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
2. UNLESS OTHERWISE NOTED, MINIMUM SLOPE SHALL BE 1/4 INCH PER FOOT OR 2% AND A MAXIMUM SLOPE SHALL NOT EXCEED 3:1 (H:V) OR 33% FOR NON-PAVED SURFACES.
3. GRADES ON DESIGNATED HANDICAPPED ACCESSIBLE AREAS/ROUTES SHALL COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT.
4. GRADE EARTHEN, NON-PAVED, SURFACES TO A SMOOTH FINISH. SLOPE LAWN AREAS IN SWALES TO A GENTLE CROWN ALONG THE CENTERLINE UNLESS OTHERWISE SHOWN.
5. GRADE ALL SEEDED FINE LAWN AREAS FLUSH WITH FINISH GRADE. ADJUST FINISHED GRADE TO THE PROPER DEPTH WHERE SOA ABUTS PAVED AREAS.
6. GRADE ALL TREES/SHRUBS/ROUND/OVER PLANTING BEDS TO 3 INCHES BELOW TOP OF ABUTTING CURBS, PAVING, OR LAWN AREAS TO ALLOW FOR MULCHING.
7. ADJUST EXISTING AND NEW MANHOLE, CATCH BASINS, AND DRAINS RIM/GRADE ELEVATIONS TO NEW GRADE ELEVATIONS (PAVEMENT OR SOIL).
8. ELIMINATE ROUGH AND LOW AREAS TO ENSURE POSITIVE DRAINAGE.
9. PIPE SLOPES ARE APPROXIMATE; CONTRACTOR SHALL USE INVERTS TO INSTALL GRAVITY LINES.
10. ELEVATIONS AND LOCATIONS OF ROOF RAIN WATER CONDUCTORS/DRAINS AT THE FACE OF THE BUILDING ARE APPROXIMATE. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR SLEEVE LINE PENETRATION LOCATIONS AND INVERT ELEVATIONS FOR CONNECTIONS AT THE BUILDING FACE.
11. FINISHED SURFACES SHALL BE GRADED SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE. SURFACE FINISHES NOT MEETING THIS STANDARD OR NOT DEEMED ACCEPTABLE BY THE DESIGNER OR OWNER SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
12. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF SLOPE REQUIREMENTS CANNOT BE MET. AT NO TIME WILL SLOPES IN EXCESS OF THOSE ABOVE THE MAXIMUM ALLOWED BE ACCEPTED, UNLESS PRIOR APPROVAL IS RECEIVED IN WRITING BY THE DESIGNER.
13. PLANS INDICATE ALL FINISH GRADE ELEVATIONS. PROVIDE SUBGRADE ELEVATIONS AS REQUIRED BY PLANS, DETAIL S, OR SPECIFICATIONS. PROVIDE PROPERLY COMPACTED SUBGRADES OF NATIVE SOIL OR APPROVED FILL. SUBGRADES SHALL BE INSPECTED BY A QUALIFIED INSPECTOR TO ENSURE COMPACTION REQUIREMENTS ARE MET. NATIVE SOILS, FILL, OR SUBGRADES DEEMED INSUFFICIENT SHALL BE REMOVED AND REPLACED WITH APPROPRIATE MATERIAL.
14. COORDINATE GRADING WORK WITH WORK OF OTHER TRADES OR WORK BY OTHERS AS REQUIRED TO COMPLETE THE PROJECT.
15. REFER TO CLEAN FILL REQUIREMENTS NOTES ON THIS DRAWING FOR INFORMATION ON CLEAN FILL IMPORT OR EXPORT.
16. MAINTAIN POSITIVE DRAINAGE AND ELIMINATE LOW SPOTS.

GENERAL UTILITY TRENCHING NOTES:

1. LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
2. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
3. ALL SOIL EXCAVATED FROM THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
4. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
5. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND / OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
6. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND IMMEDIATELY STABILIZED.
7. SOILS EXCAVATED FROM EXISTING SURFACE LAYER SHOULD BE STOCKPILED SEPARATELY AND RETURNED AS FINAL SURFACE LAYER FOLLOWING TRENCH BACKFILLING.
8. PLACE SILT FENCE DOWN-SLOPE OF THE PROPOSED TRENCHING ACTIVITIES. PLACE EXCAVATED MATERIALS ON THE UPSLOPE SIDE OF THE TRENCH.
9. TOPSOIL SHALL BE REMOVED AND STOCKPILED SEPARATELY FROM BACKFILL SOILS. TOPSOIL SHALL BE REPLACED UPON FINAL GRADING FOR STABILIZATION.
10. THE DAY FOLLOWING TRENCH BACKFILL, THE DISTURBED AREA SHALL BE GRADED TO FINAL CONTOURS AND STABILIZED IMMEDIATELY IN ACCORDANCE WITH SEEDING & MULCHING SCHEDULE.
11. REMOVE SILT FENCE AFTER AREA IS STABILIZED. ANY AREAS DISTURBED DURING THE REMOVAL OF THE SILT FENCE SHALL BE RE-STABILIZED IMMEDIATELY.

CLEAN FILL REQUIREMENTS NOTES:

CLEAN FILL REQUIREMENTS: IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE CONTRACTOR.

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM USED ASPHALT DOES NOT INCLUDE MILLER ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS AS NOTED IN TABLES FP-1A AND FP-1B FOUND IN THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S POLICY "MANAGEMENT OF FILL."

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.

ENVIRONMENTAL DUE DILIGENCE: THE LANDOWNER/APPLICANT MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO: VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S POLICY "MANAGEMENT OF FILL."

FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA CODE CHAPTER 287 RESIDUAL WASTE MANAGEMENT OR CHAPTER 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON-LINE AT WWW.PACODE.COM.

GENERAL LANDSCAPING NOTES:

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS EQUIPMENT, INCIDENTALS AND CLEAN UP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, BE DENSELY FOLIATED, HAVE VIGOROUS ROOT SYSTEMS AND BE FREE OF DEFECTS AND INJURIES.
4. ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE OF THE PLANT MATERIAL SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANT MATERIAL.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION.
6. PROVISIONS SHALL BE MADE FOR A GUARANTEE OF AT LEAST ONE (1) YEAR FOR TREES AND SHRUBS. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE. INsofar AS IT IS PRACTICABLE,
7. PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
8. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE 1990 "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSESRYMAN INC. OR LATEST EDITION.
9. ALL PLANTS SHALL BE PLANTED IN TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPAED AS BACK FILLING PROGRESSES. NOTHING BUT SUITABLE TOPSOIL, FREE OF DRY SOO, STIFF CLAY, LITTER, ETC., SHALL BE USED FOR PLANTING.
10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE.
11. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH A LEVEL THAT AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PLANTING PIT.
12. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF THE PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
13. LANDSCAPE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO PLACEMENT OF LANDSCAPE MATERIAL. CONTRACTOR SHALL NOT PLACE LANDSCAPING MATERIAL ON TOP OF UTILITY PIPING.
14. PLAN QUANTITIES SUPERSEDE PLANT LIST.
15. PLANTING PLAN SHALL BE USED FOR PLANT AND LANDSCAPE INSTALLATION ONLY.

REVISIONS

ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



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PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH. SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

CIVIL ENG. SEAL

DESIGN CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 820
PHILADELPHIA, PA 19103
PHONE: (800) 344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

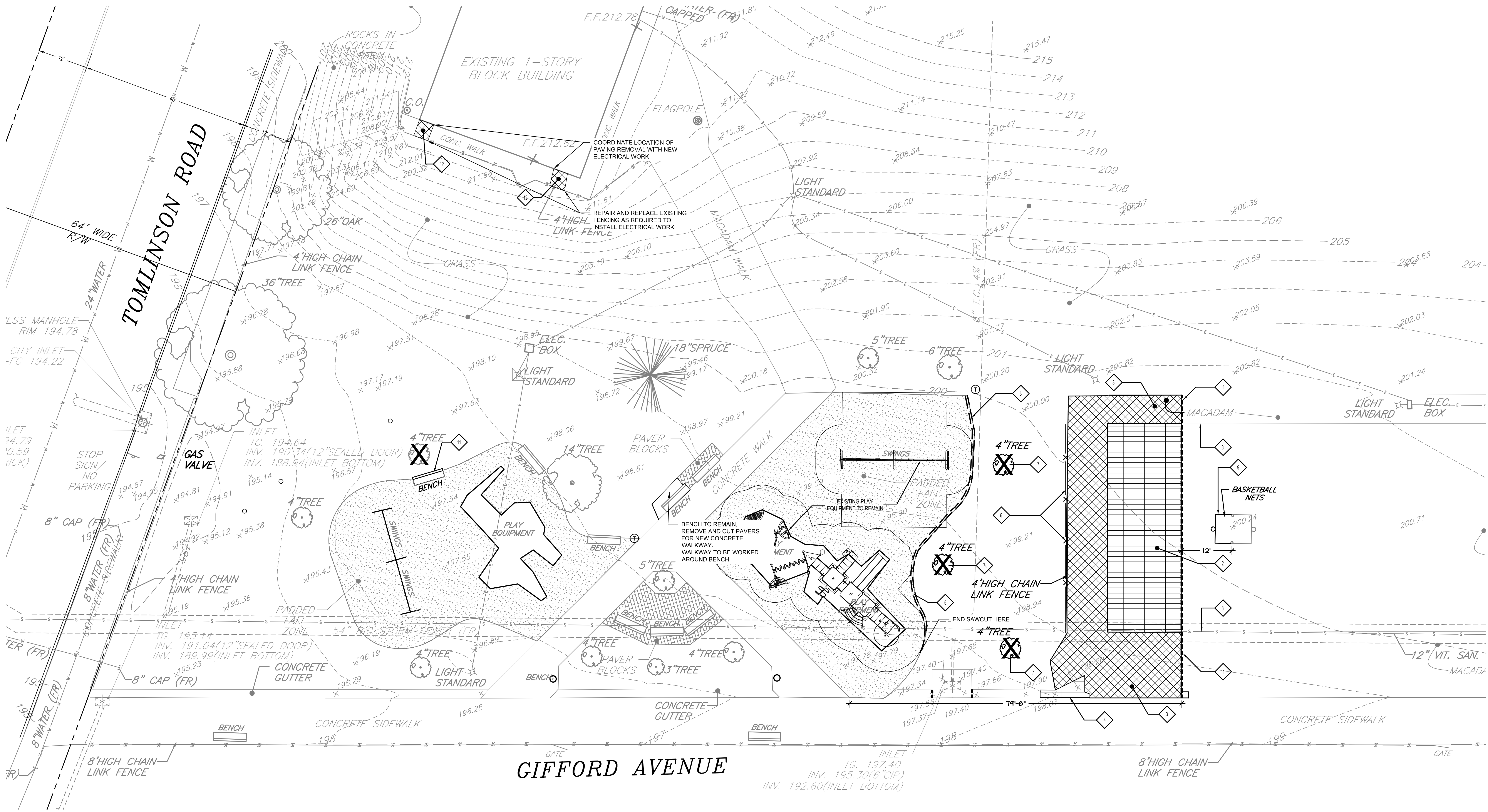
GENERAL NOTES

DPP PROJECT NO.: 16-14-4230-01
CONSULTANT PROJECT NO.: 2014-02041-07
DATE: 12/10/2018
SCALE: AS NOTED
DRAWN BY: MDS
CHECKED BY: KMS

DRAWING NO.:
DRAWING BY:
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DRAWING BY:

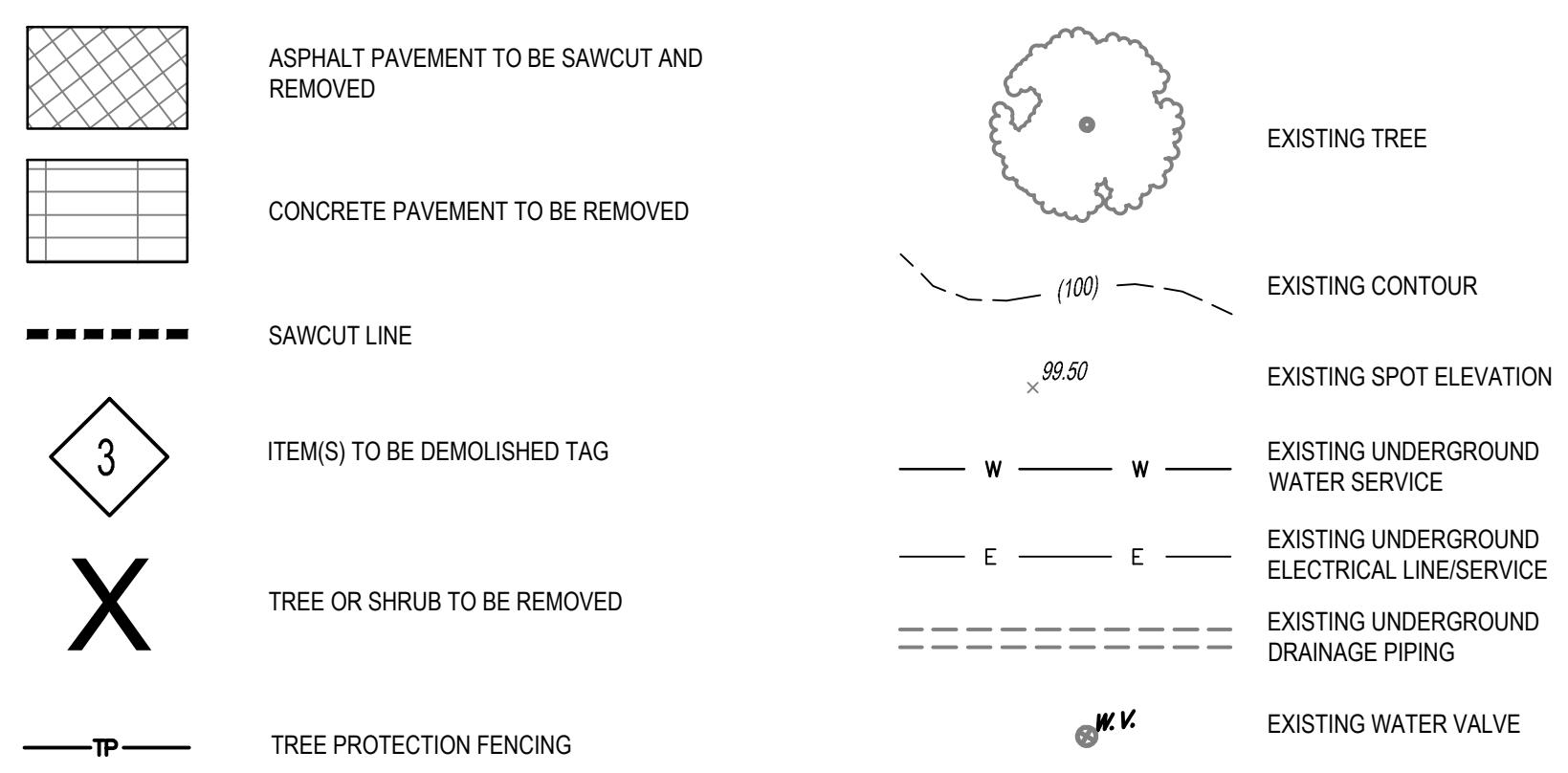
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

G-1.0



1 EXISTING FEATURES AND DEMOLITION PLAN
SCALE: 1" = 10'

DEMOLITION PLAN LEGEND



DEMOLITION PLAN KEY

- SAWCUT LINE (TYP). SAWCUTS SHALL BE MADE CLEAN, STRAIGHT, AND PERPENDICULAR TO THE SURFACE, UNLESS OTHERWISE NOTED.
- SAWCUT AND REMOVE CONCRETE: HALF BASKETBALL COURT PAVING AND BASE MATERIAL TO SUBGRADE. COORDINATE SAWCUT LOCATION WITH PROPOSED IMPROVEMENTS.
- SAWCUT AND REMOVE EXISTING ASPHALT SKIRT AROUND CONCRETE BASKETBALL COURTS UP TO EXISTING CONCRETE WALKWAY.
- SAWCUT AND REMOVE CONCRETE GUTTER. SAWCUTS SHALL BE MADE PERPENDICULAR TO EXISTING CONCRETE WALKWAY. COORDINATE LOCATION OF SAWCUTS WITH PROPOSED IMPROVEMENTS AND/OR EXISTING FEATURES.
- CUT BACK EDGE OF EXISTING SAFETY SURFACE 6" MAX. AND PREPARE EDGE TO BOND WITH PROPOSED ADDITIONAL PLAY SURFACING.
- COMPLETELY REMOVE FENCE INCLUDING POSTS, CROSSBARS, FABRIC, FOOTINGS, AND ANY OTHER ASSOCIATED PARTS NECESSARY FOR INSTALLATION.
- REMOVE TREE: DIG OUT AND COMPLETELY REMOVE STUMP OR GRIND STUMP AND ROOT FLARE BELOW SURFACE 12" MIN.
- COVER OR GRIND PAVEMENT MARKINGS. COORDINATE REMOVAL WITH PROPOSED PAVEMENT MARKINGS.
- REMOVE BASKETBALL HOOP AND NET FROM REMOVED HALF BASKETBALL COURT.
- REMOVE PAVERS/BRICKS AS NECESSARY FOR PROPOSED SPRAYGROUND WALKWAY. RETAIN BRICKS FOR RE-USE ON SITE.
- REMOVE BENCH
- SAWCUT AND REMOVE EXISTING CONCRETE PAVING

0 5 10 20
ONE INCH

PLAN NORTH
TRUE NORTH

L-1.0

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PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

DESIGN CONSULTANT:

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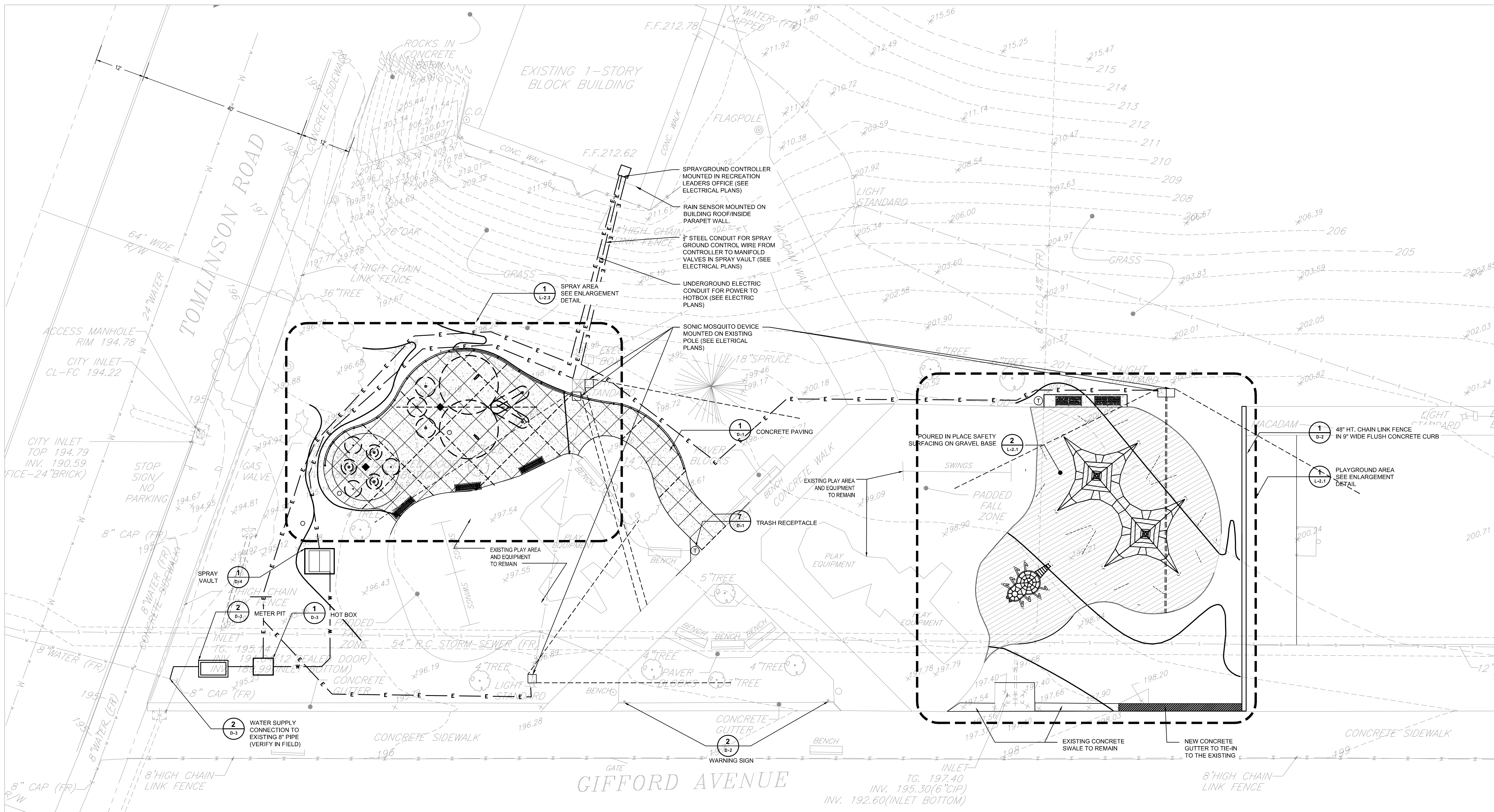
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DEPARTMENT OF PUBLIC PROPERTY
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11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: EXISTING FEATURES AND DEMOLITION PLAN

DPP PROJECT NO.: 16-14-4230-01
CONSULTANT PROJECT NO.: 2014-02041-07
DATE: 12/10/2018
SCALE: AS NOTED
DRAWN BY: MDS
CHECKED BY: KMS

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MATERIALS PLAN LEGEND

- 10
D-1 SITE DETAIL TAG
- LAWN (SOD)
- CONCRETE WALKWAY PAVEMENT
- DECORATIVE SPRAYGROUND
CONCRETE PAVEMENT
- POURED-IN-PLACE RUBBER SURFACING
(OVER GRAVEL BASE)
- 48" HT. CHAIN LINK FENCE
- SONIC MOSQUITO DEVICE ZONE

GENERAL NOTES:

- REFER TO DRAWING G-1 FOR GENERAL NOTES FOR THE PROJECT.
- REFER TO DRAWING G-1 FOR LAYOUT, MATERIAL, AND PLAYGROUND NOTES.
- PLAYGROUND RUBBER SURFACING COLORS/PATTERNS SHALL BE LAID-OUT/SPRAY PAINTED/MARKED OUT ON SBR CUSHION COURSE PRIOR TO SURFACE COURSE INSTALLATION FOR APPROVAL BY LANDSCAPE ARCHITECT.
- SOD ALL DISTURBED AREAS NOT SCHEDULED FOR PAVING OR SURFACING.

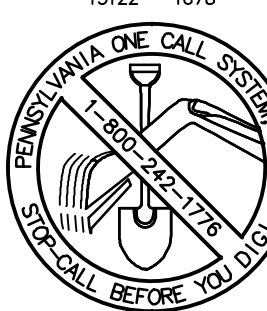
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PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01

PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND

575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: OVERALL SITE IMPROVEMENT PLAN

DPP PROJECT NO.: 16-14-4230-01

CONSULTANT PROJECT NO.: 2014-02041-07

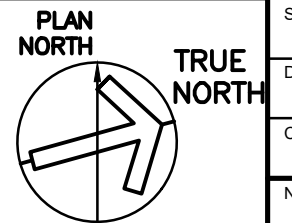
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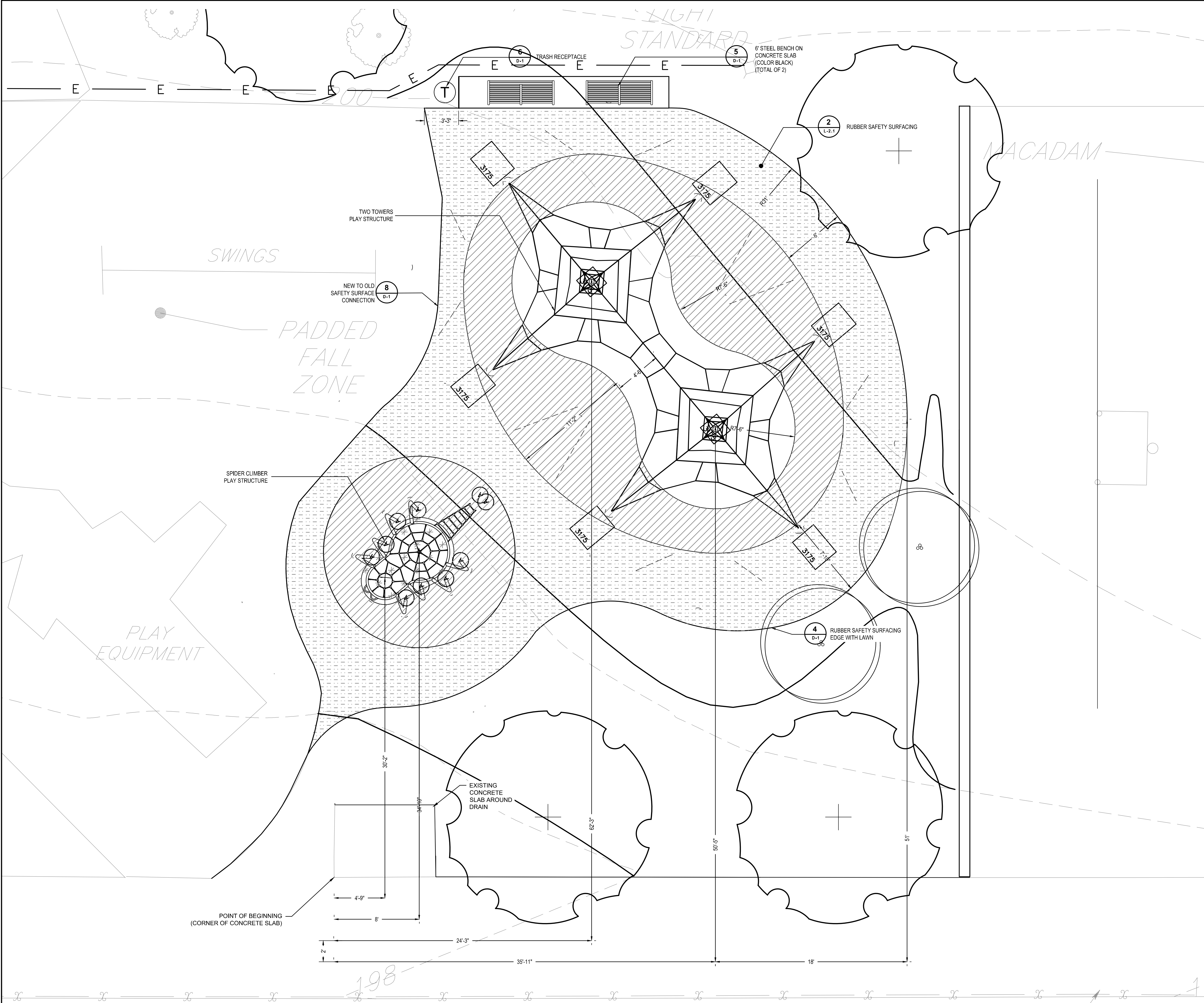
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DRAWING NO.: L-2.0






1 **PLAYGROUND AREA ENLARGEMENT PLAN**
SCALE: 1" = 4'

SYMBOL	NO.	COLOR NAME	PERCENT BY WEIGHT
GREEN TPV RUBBER SURFACING			
	RH-11	BRIGHT GREEN	35%
	RH-10	STANDARD GREEN	20%
	RH-41	BRIGHT YELLOW	20%
		BLACK	25%
YELLOW TPV RUBBER SURFACING			
	RH-41	BRIGHT YELLOW	45%
	RH-50	ORANGE	30%
		BLACK	25%
BLUE TPV RUBBER SURFACING			
	RH-22	SKY BLUE	35%
	RH-20	STANDARD BLUE	25%
	RH-41	BRIGHT YELLOW	15%
		BLACK	25%

2 **POURED-IN-PLACE RUBBER
SURFACE COLOR MIXTURE TABLE**
SCALE: NTS


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CIVIL ENG. SEAL:

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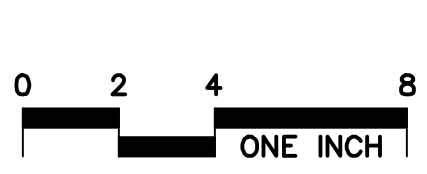
DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO
GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: PLAYGROUND AREA
ENLARGEMENT PLAN

DPP PROJECT NO.: 16-14-4230-01
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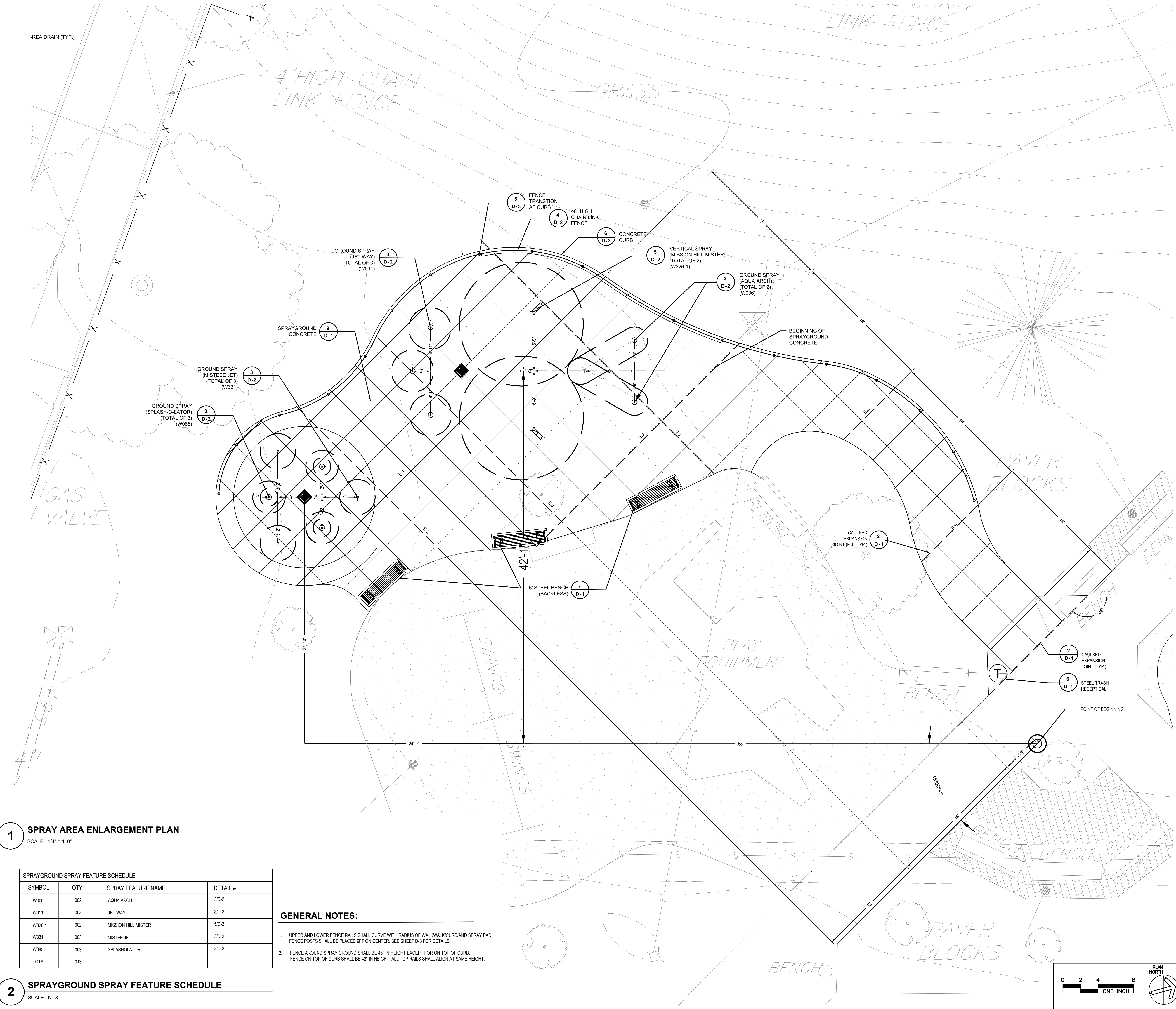
DRAWING NO.:

L-2.1



PLAN NORTH
TRUE NORTH

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CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



1 SPRAY AREA ENLARGEMENT PLAN
SCALE: 1/4" = 1'-0"

SPRAYGROUND SPRAY FEATURE SCHEDULE			
SYMBOL	QTY.	SPRAY FEATURE NAME	DETAIL #
W006	002	AQUA ARCH	3/D-2
W011	003	JET WAY	3/D-2
W326-1	002	MISSION HILL MISTER	5/D-2
W331	003	MISTEE JET	3/D-2
W085	003	SPLASHOLATOR	3/D-2
TOTAL	013		

GENERAL NOTES:

- UPPER AND LOWER FENCE RAILS SHALL CURVE WITH RADIUS OF WALKWALK/CURB/AND SPRAY PAD. FENCE POSTS SHALL BE PLACED 6FT ON CENTER. SEE SHEET D-3 FOR DETAILS.
- FENCE AROUND SPRAY GROUND SHALL BE 48" IN HEIGHT EXCEPT FOR ON TOP OF CURB. FENCE ON TOP OF CURB SHALL BE 42" IN HEIGHT. ALL TOP RAILS SHALL ALIGN AT SAME HEIGHT.

2 SPRAYGROUND SPRAY FEATURE SCHEDULE
SCALE: NTS

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PHILADELPHIA, PA 19103
PHONE: (800) 344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SPRAY AREA ENLARGEMENT PLAN

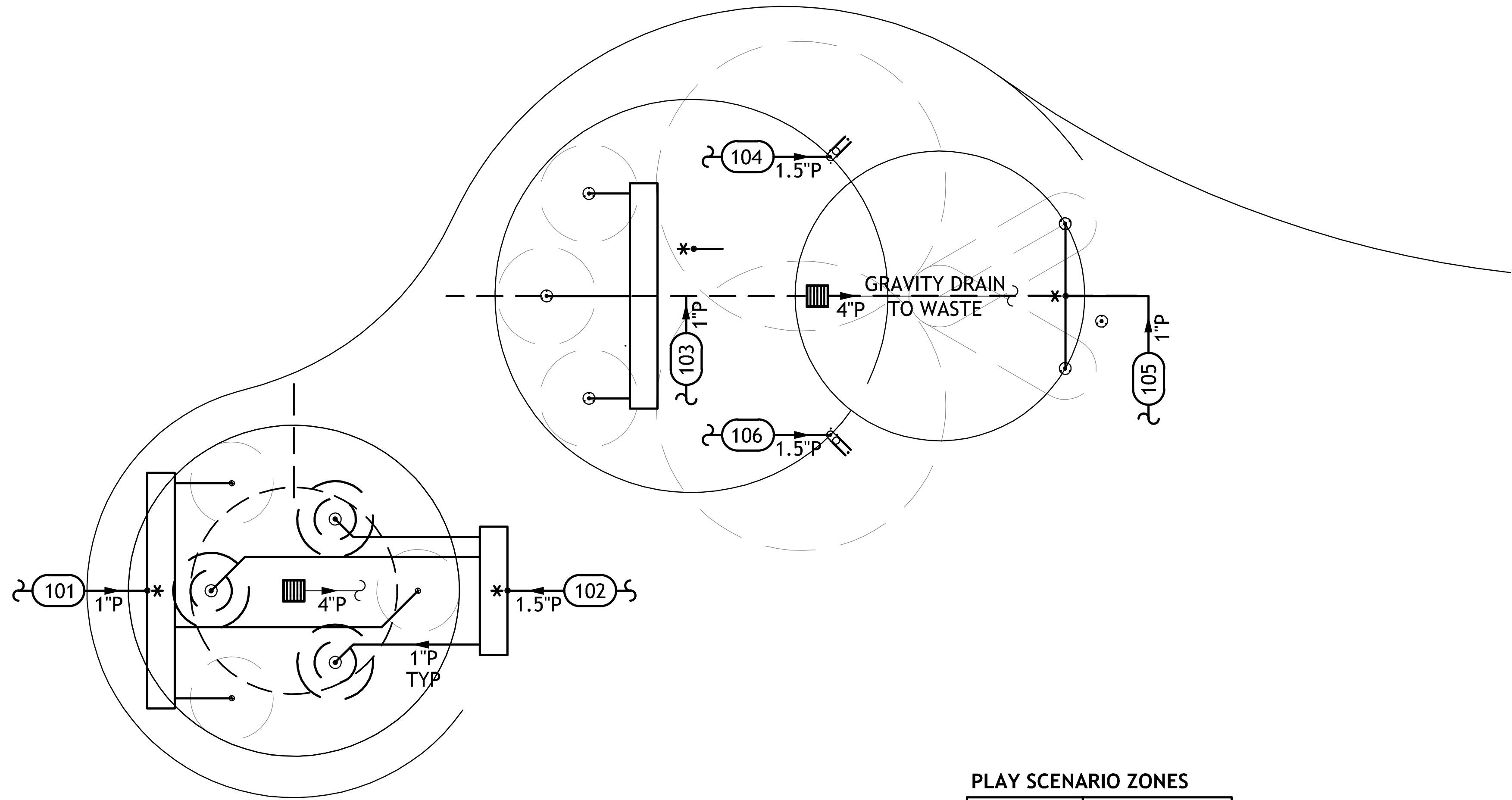
DPP PROJECT NO.: 16-14-4230-01
CONSULTANT PROJECT NO.: 2014-02041-07
DATE: 12/10/2018
SCALE: AS NOTED
DRAWN BY: MDS
CHECKED BY: KMS

DRAWING NO.: L-2.2

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

DESCRIPTION	QTY
W006C AQUA ARCH 4' HIGH - 7' THROW 2 GPM (4) @ 3 PSI	2
W011C JET WAY 4' HIGH 3 GPM (9) @ 2 PSI	3
W085 SPLASH-O-LATOR 4' HIGH 7 GPM (21) @ 3 PSI	3
W331 MISTEEEE 1 GPM (3) @ 20 PSI	3
W326-1 MISSION HILL MISTER 13 GPM (26) @ 20 PSI	2
W200 PLAIN DRAIN	3

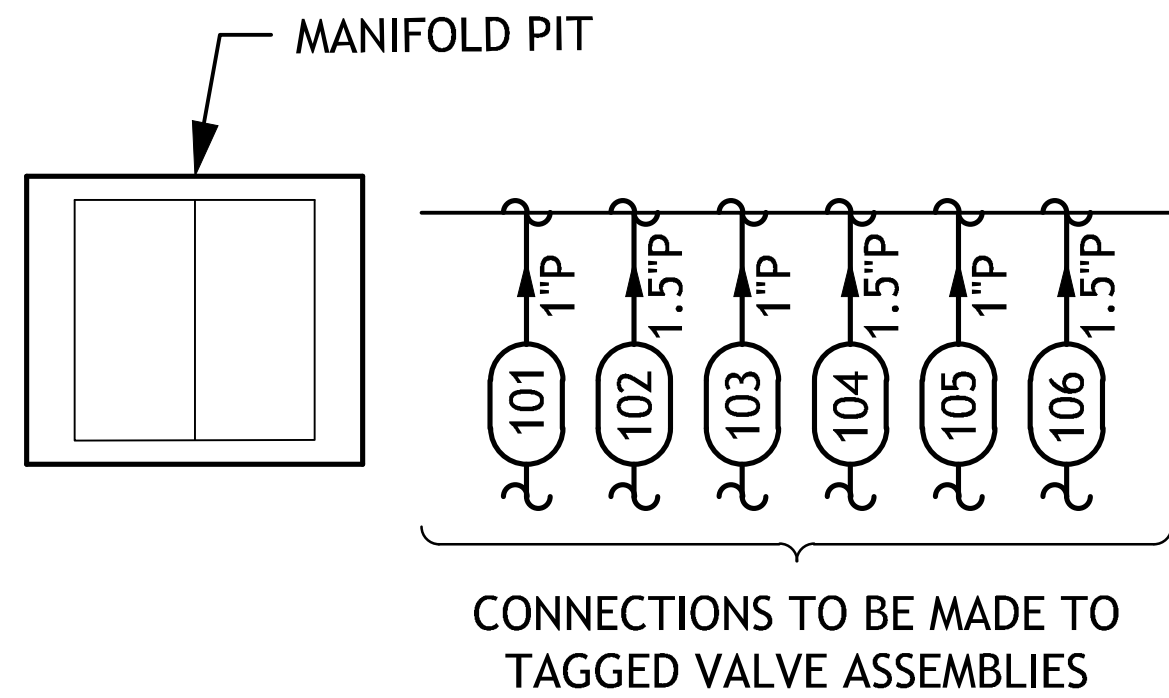
POTABLE MECHANICAL EQUIPMENT	
DSC-0-8-W-A SEQUENCING CONTROLLER WIRELESS / PRE-WIRED STAND MOUNTED	1
WMAFS-06 FLANGED WALL MOUNTED DISTRIBUTION MANIFOLD (3) 1" DISCHARGES & (3) 1.5" DISCHARGES STAND MOUNTED PRE-WIRED	1
WVB-6072-8 ABOVE GRADE MANIFOLD ENCLOSURE BOX	1
05-0507 PRESSURE REDUCING VALVE 80 GPM MAX @ 20 PSI	1



TOTAL GPM 63

NOTES:

- THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING.
- PIPING, CONDUIT, AND WIRE ARE BY INSTALLER.
- PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND.
- SYMBOL "*" INDICATES THAT THE TEE MUST BE PLACED IN THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW.
- WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.

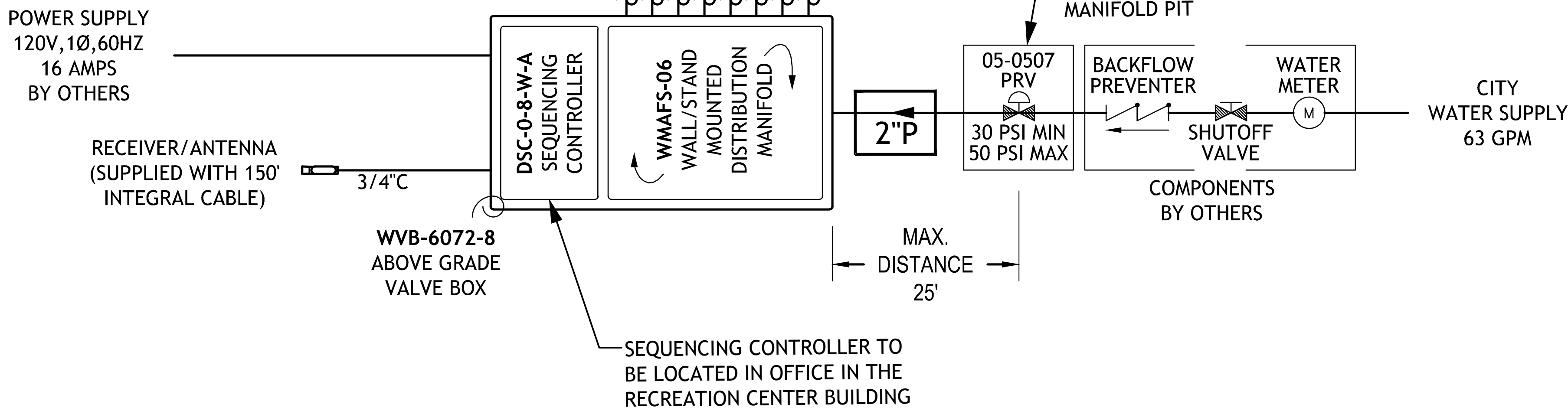


PLAY SCENARIO ZONES

ACTIVATOR LABEL	NONE
ACTIVATOR LOCATION	NO ACTIVATORS
MANIFOLD VALVE ASSEMBLY LABEL	(101) THRU (106)

"REFER TO ELECTRICAL SCHEMATICS AND PROGRAMMING SHEET FOR WIRING CONNECTIONS TO BE MADE TO TAGGED SOLENOID VALVE ASSEMBLIES"

PROGRAM NOT SPECIFIED
FEATURES CYCLE AND/OR
RANDOM WITH 'CLOCK'



REVISIONS

ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



PENNSYLVANIA ONE CALL SYSTEM, INC.

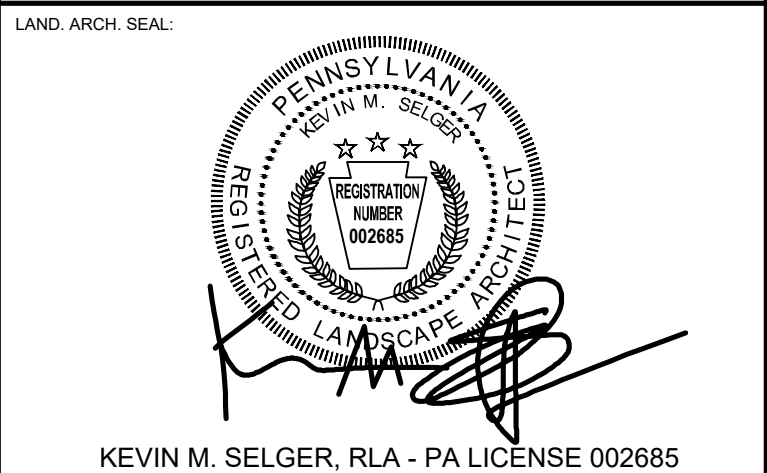
925 Valley Run Road
West Mifflin, Pennsylvania
15122-1078



BEFORE YOU DIG ANYWHERE IN
PENNSYLVANIA CALL 1-800-242-1776
NON-MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS
NOTICE TO UTILITIES BEFORE YOU EXCAVATE,
DRILL, PLANT OR CONDUIT!

PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA



CIVIL ENG. SEAL:

DESIGN CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 820
PHILADELPHIA, PA 19103
PHONE: (800) 344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA
PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE:
IMPROVEMENTS TO
GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SPRAY AREA PIPING PLAN

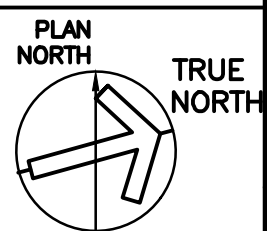
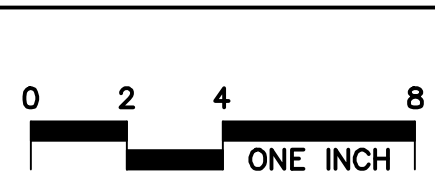
DPP PROJECT NO.:	16-14-4230-01	DRAWING NO.:
CONSULTANT PROJECT NO.:	2014-02041-07	
DATE:	12/10/2018	
SCALE:	AS NOTED	
DRAWN BY:	MDS	
CHECKED BY:	KMS	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

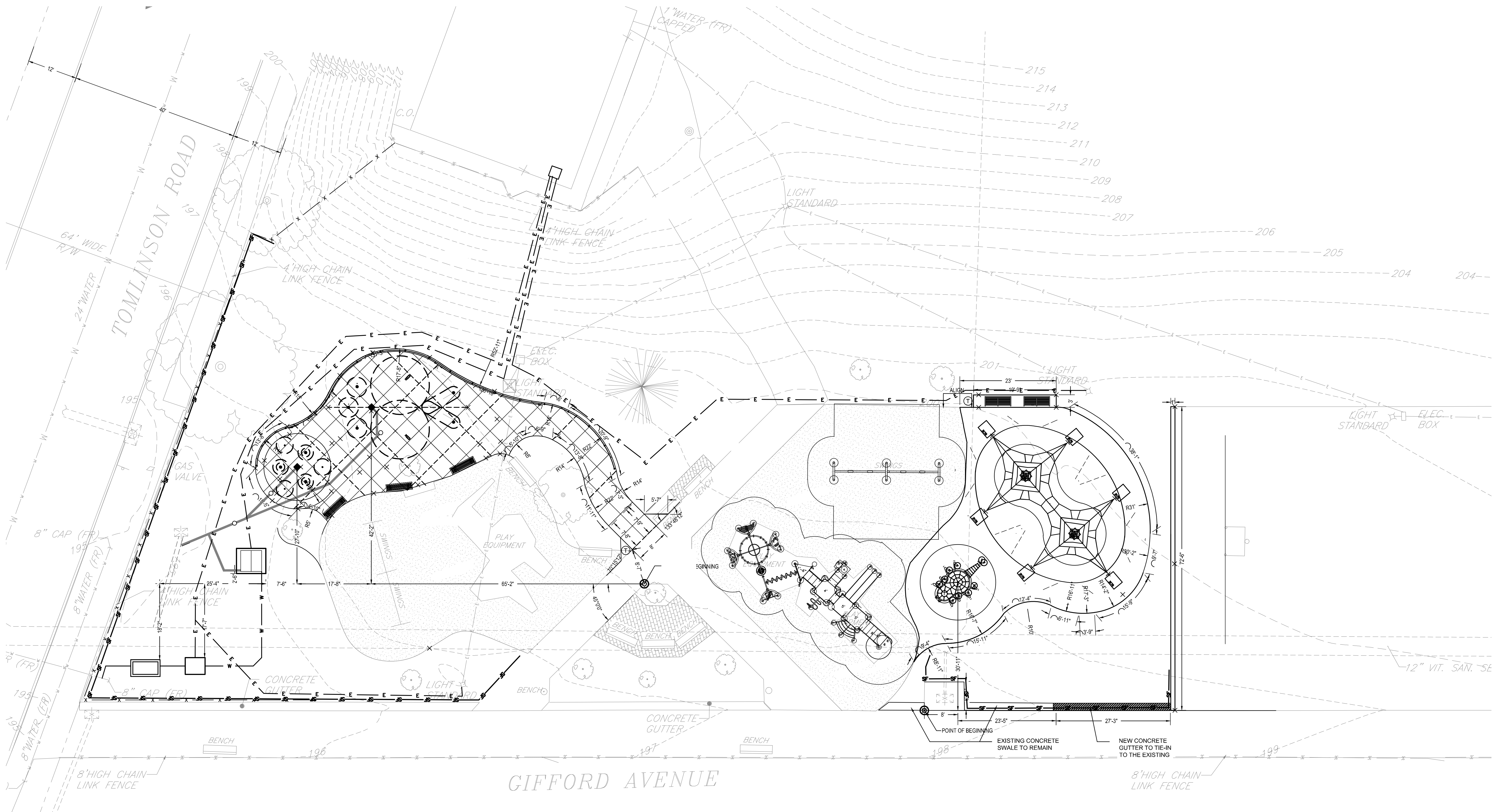
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SPRAY AREA PIPING PLAN





SCALE: 1/4" = 1'-0"

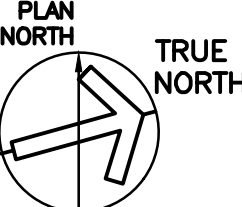
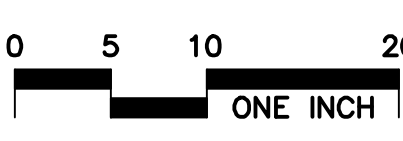


L-2.3

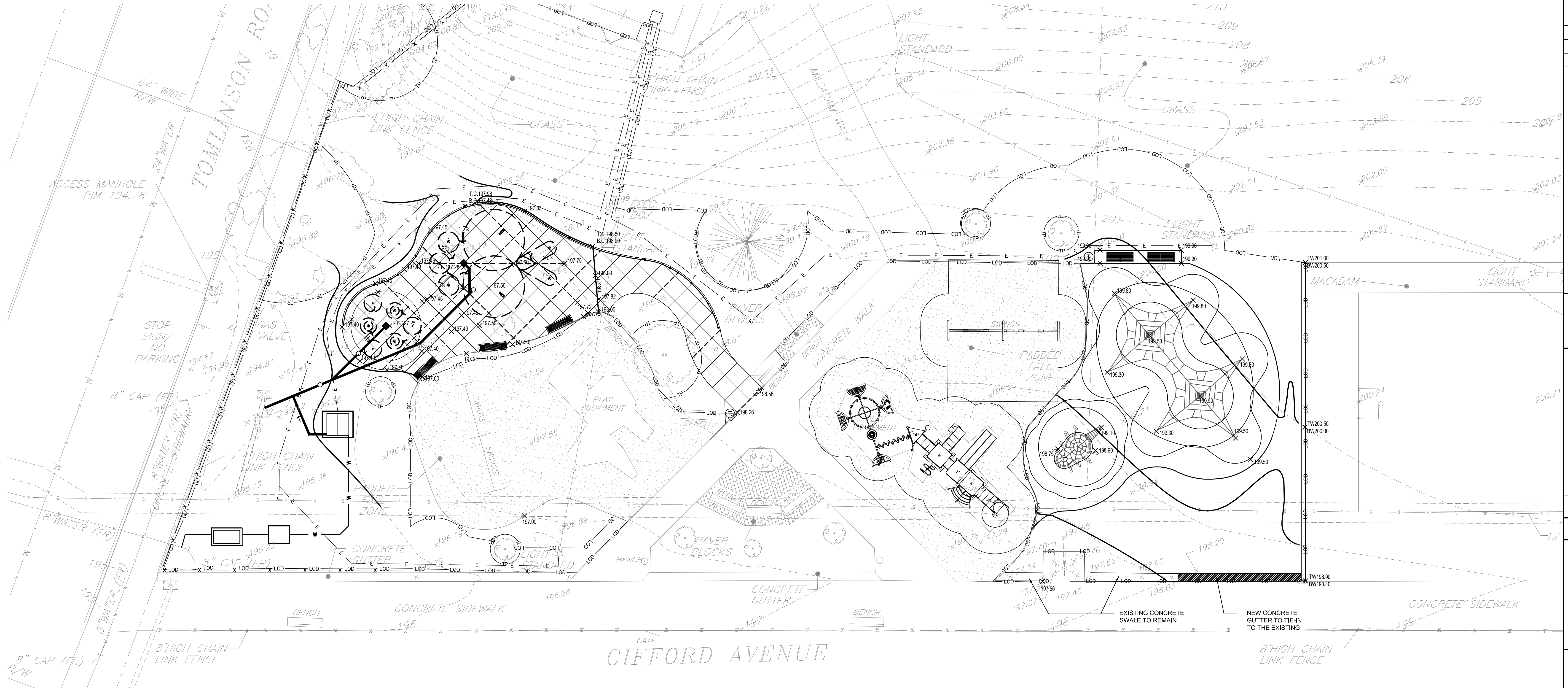


1 OVERALL SITE LAYOUT PLAN
SCALE: 1" = 10'

REVISIONS		
ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION
		
PENNSYLVANIA ONE CALL SYSTEM, INC. 925 Valley Forge Road West Mifflin, Pennsylvania 15122-1078  BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776 NON-MEMBERS MUST BE CONTACTED DIRECTLY PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, PLANT OR CONDUIT! PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907 DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA LAND ARCH. SEAL:  KEVIN M. SELGER, RLA - PA LICENSE 002685 CIVIL ENG. SEAL: DESIGN CONSULTANT:  GILMORE & ASSOCIATES, INC. DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING ONE PENN CENTER AT SUBURBAN STATION 1617 JFK BOULEVARD, SUITE 820 PHILADELPHIA, PA 19103 PHONE: (800) 344-5667		
CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY 1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING PHILADELPHIA, PENNSYLVANIA DPP PROJECT NUMBER: 16-14-4230-01 PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND 575 TOMLINSON ROAD, PHILA. PA DRAWING TITLE: OVERALL SITE LAYOUT PLAN DPP PROJECT NO.: 16-14-4230-01 CONSULTANT PROJECT NO.: 2014-02041-07 DATE: 12/10/2018 SCALE: AS NOTED DRAWN BY: MDS CHECKED BY: KMS NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.		




L-3.0



GRADING AND DRAINAGE PLAN LEGEND

- PROPOSED CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SOLID DRAINAGE PIPE AND SLOPE
- PROPOSED PERFORATED DRAINAGE PIPE AND SLOPE
- PROPOSED 12" AREA DRAIN
- PROPOSED PWD CLEANOUT
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING BRICK COMBINED SANITARY & STORM SEWER
- EXISTING ELECTRIC
- EXISTING STORM
- EXISTING STORM INLET

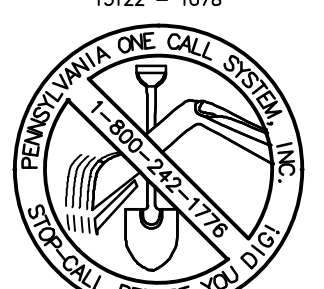
REVISIONS		
ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
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PHILADELPHIA
MANETO

PENNSYLVANIA ONE CALL SYSTEM, INC.

925 Valley Forge Road
West Mifflin, Pennsylvania
15122 - 1078




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NON-MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR GROUND!

PA ONE CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH. SEAL



KEVIN M. SELGER, RLA - PA LICENSE 002685

CIVIL ENG. SEAL

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PHILADELPHIA, PA 19103
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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: GRADING & DRAINAGE PLAN

DPP PROJECT NO.: 16-14-4230-01	DRAWING NO.:
CONSULTANT PROJECT NO.: 2014-02041-07	
DATE: 12/10/2018	
SCALE: AS NOTED	
DRAWN BY: MDS	
CHECKED BY: KMS	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

051020

ONE INCH

PLAN NORTH

TRUE NORTH

L-4.0

REVISIONS

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1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



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LAND ARCH. SEAL

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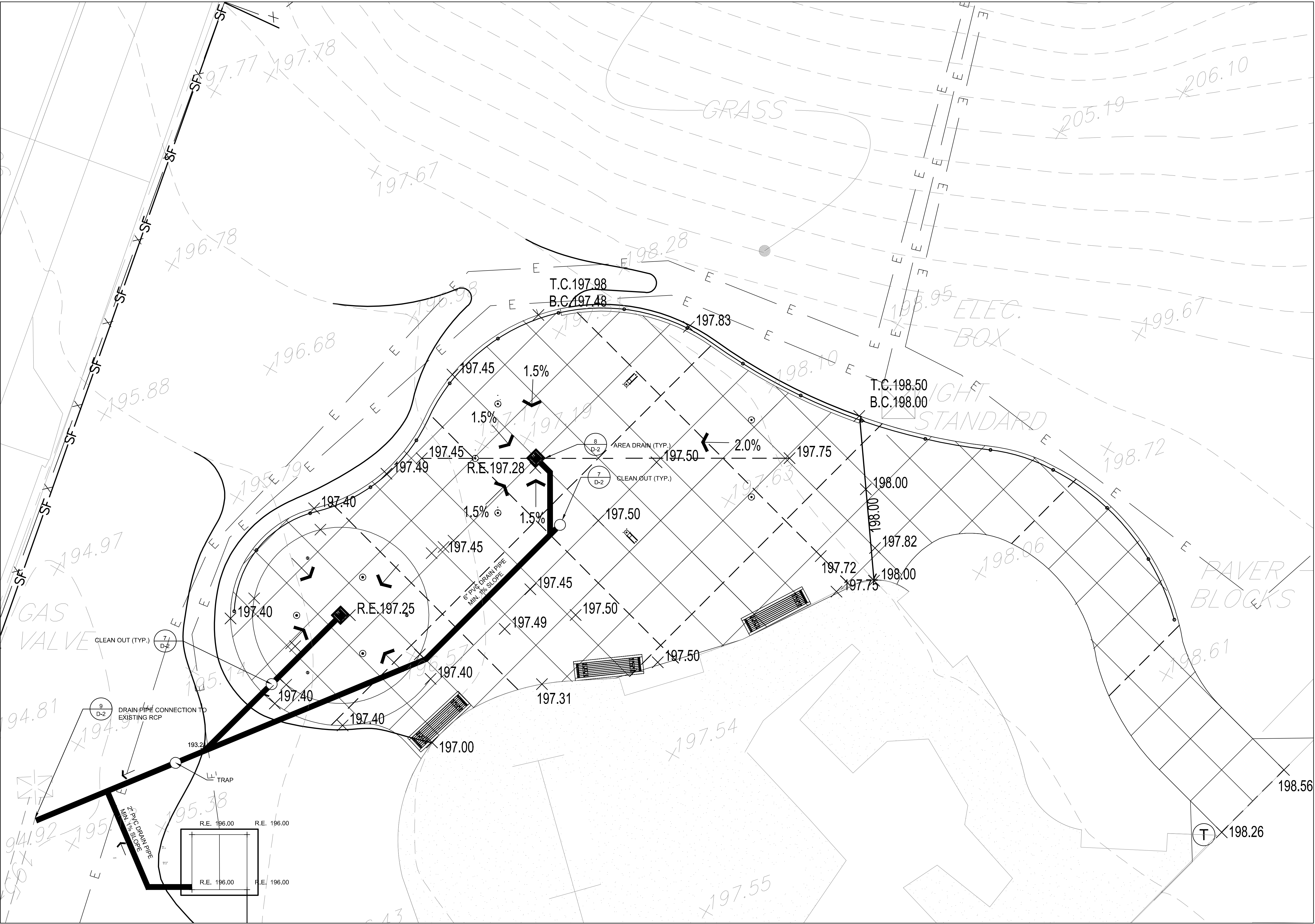
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA
PROJECT TITLE:
IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SPRAYGROUND GRADING & DRAINAGE ENLARGEMENT

DPP PROJECT NO.: 16-14-4230-01
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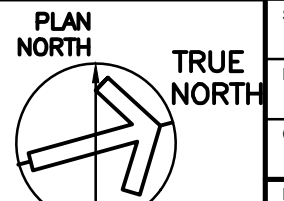
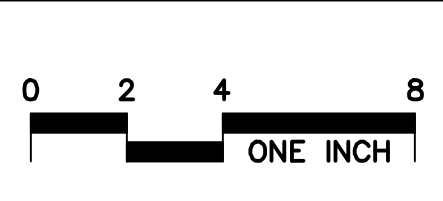
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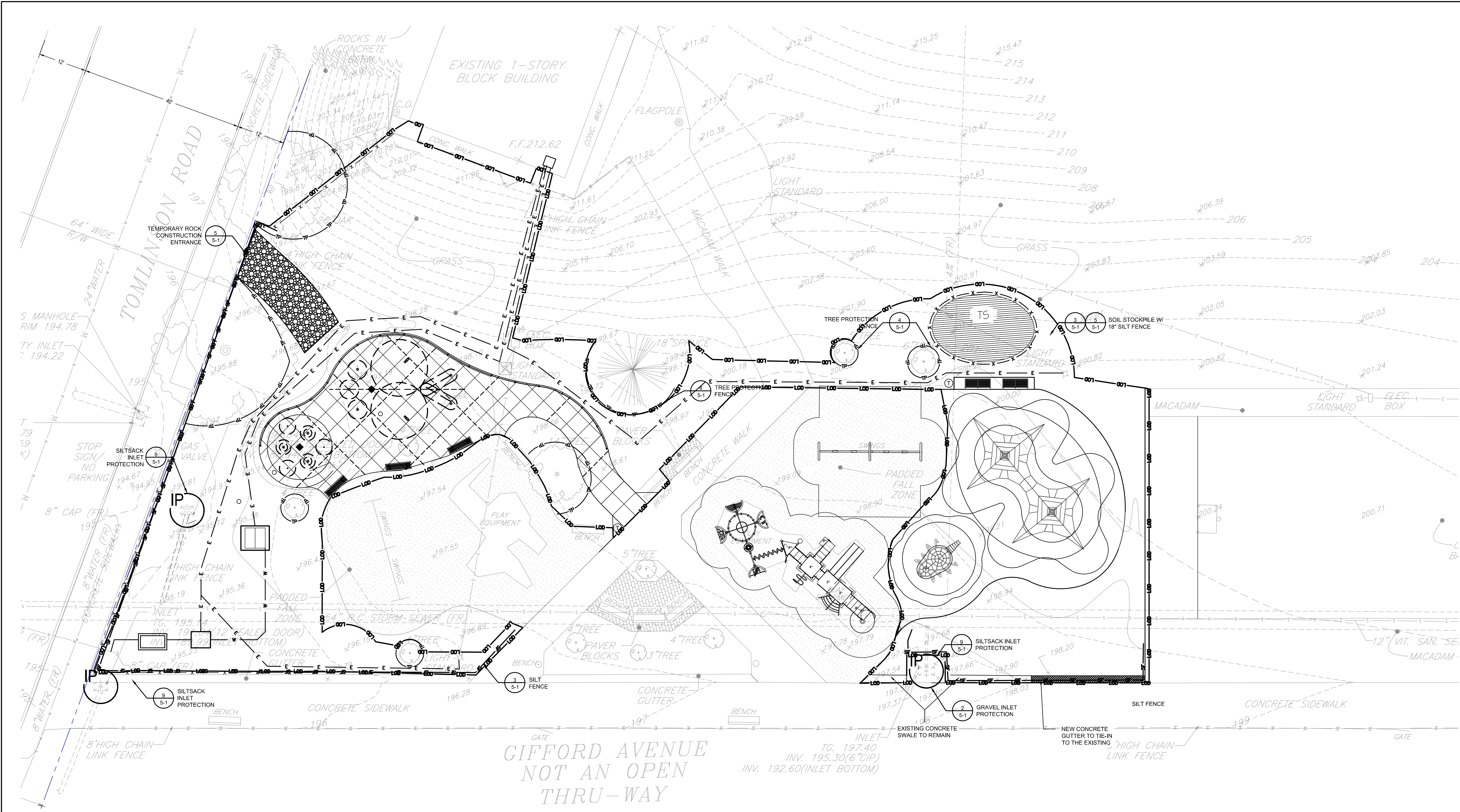
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GRADING AND DRAINAGE PLAN LEGEND

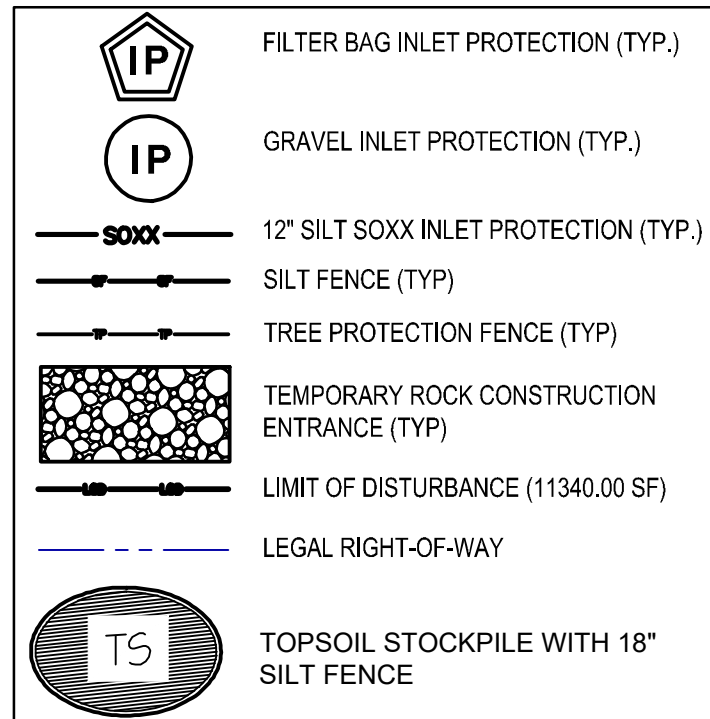
- PROPOSED CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SOLID DRAINAGE PIPE AND SLOPE
- PROPOSED 12" AREA DRAIN
- PROPOSED PWD CLEANOUT
- EXISTING GAS MAIN
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- EXISTING BRICK COMBINED SANITARY & STORM SEWER
- EXISTING ELECTRIC
- EXISTING STORM
- EXISTING STORM INLET
- EXISTING STORM INLET





1 EROSION AND SEDIMENTATION CONTROL PLAN
SCALE: 1" = 10'

EROSION AND SEDIMENTATION CONTROL PLAN LEGEND



SOILS LEGEND AND TABLE OF LIMITATIONS & RESOLUTIONS BASED ON USDA-NRCS WEB SOIL SURVEY								
SYMBOL	MAPPING UNITS	SLOPE	LAND CAPBLTY	HYDRIC SOIL	HSG	DEPTH TO		LIMITATIONS FOR CONSTRUCTION
						BEDROCK	WATER TABLE	
<i>Ub</i>	URBAN LAND	0-8%	8s	NO	D	> 12"	> 6'	NOT LIMITED

*NOTE: ENTIRE SITE IS CLASSIFIED AS URBAN LAND (Ub).

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- FOLLOW THE PROCEDURE OUTLINED IN THE CONSTRUCTION SEQUENCE.
- GENERAL:
 - AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION.
 - INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
 - PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL FACILITIES UNTIL THE SITE IS STABILIZED.
 - INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
 - THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON SITE. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
 - THE LIMITS OF CLEARING SHALL BE MARKED ON-SITE BY MEANS OF YELLOW NYLON ROPE ATTACHED TO 4-FOOT STAKES, ON 8-FOOT CENTERS. A FORTY-EIGHT INCH HIGH SNOW FENCE OR OTHER SUITABLE FENCE, SUCH AS SUPER SILT FENCE, MOUNTED ON STEEL POSTS LOCATED EIGHT FEET ON-CENTER, SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION AREA. WHEN THE FENCING HAS BEEN INSTALLED, CLEARING AND OTHER CONSTRUCTION ACTIVITIES MAY COMMENCE. THE FENCING ALONG THE TREE PROTECTION AREA SHALL BE MAINTAINED UNTIL ALL WORK AND CONSTRUCTION HAS BEEN COMPLETED. ANY DAMAGES TO THE PROTECTIVE FENCING SHALL INCLUDE SIGNS POSTED EVERY 200 FEET ALONG THE FENCE WHICH SHALL SAY: "PROTECTED AREA - DO NOT MOVE OR REMOVE THIS FENCE. NO CONSTRUCTION ACTIVITIES OR STORAGE OF MATERIALS OR EQUIPMENT BEYOND THIS POINT."
 - ANY SEDIMENT OR MUD THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE CLEANED OFF IMMEDIATELY BY BROOMING AND/OR SHOVELING TO THE SATISFACTION OF PWD. AT THE EXPENSE OF THE DEVELOPER AND/OR RESPONSIBLE CONTRACTOR.
- NO SEDIMENT OR SEDIMENT LADEN WATER MUST BE ALLOWED TO LEAVE THE SITE/PROPERTY WITHOUT FIRST BEING FILTERED.
- FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
- ROCK FILTER OUTLETS MUST BE PROVIDED IMMEDIATELY WHERE SILT FENCING HAS BEEN UNDERMINED OR OVERTOPPED.
- ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
- THE PROJECT RECEIVING WATERCOURSE IS LOWER SCHUYLKILL RIVER. THE CHAPTER 93 CLASSIFICATION IS WWF.
- AS-BUILT DRAWINGS OF THE STORMWATER FACILITIES WILL BE REQUIRED FROM THE SITE CONTRACTOR TO CONFIRM BASIN VOLUMES AND CONTROL STRUCTURES.
- PERMANENT GRASS SHALL BE ESTABLISHED BY SEEDING AND MULCHING OR SOODING FOLLOWING FINAL GRADING PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION FERTILIZER SHALL BE APPLIED ACCORDING TO SEEDING AND MULCHING SCHEDULE.
- SEEDING AREAS THAT HAVE WASHED AWAY SHALL BE FILLED AND GRADED AS NECESSARY AND THEN RESEDED. A BURLAP OR STRAW COVER WILL BE APPLIED TO RETAIN THE SEED UNTIL IT HAS A CHANCE TO ROOT PROPERLY.
- THE ABOVE PROCEDURE SHALL BE REPEATED AFTER EACH SIZEABLE STORM UNTIL NO MORE SIGNS OF EROSION ARE EVIDENT. AT MONTHLY INTERVALS THEREAFTER, INSPECTIONS AND NECESSARY CLEANING WILL BE DONE. TRASH THAT IS REMOVED FROM ANY OF THE CONTROL DEVICES SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL AREA. SILT THAT HAS ACCUMULATED SHALL BE REMOVED AND ALLOWED TO DRY AND USED AS FILL WHEREVER REQUIRED ON THE SITE.
- SOIL COMPACTION SHOULD BE MINIMIZED ON-SITE, EVEN IN AREAS NOT PURPOSED FOR INFILTRATION. LIMIT THE USE OF HEAVY EQUIPMENT IN PROPOSED SMP #1-3 AS NOTED IN CONSTRUCTION SEQUENCE.

RESPONSIBILITIES FOR FILL MATERIALS

- THE OPERATOR MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT ANY NECESSARY FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH PADEP'S POLICY "MANAGEMENT OF FILL". DOCUMENT NUMBER 258-2182-773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.DEFWEB.STATE.PA.US.
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSED, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM THE WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).
- CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN PADEP'S POLICY "MANAGEMENT OF FILL".
- ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE PADEP FORM FP-301 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-301 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP-301 CAN BE FOUND AT WWW.DEFWEB.STATE.PA.US.
- ENVIRONMENTAL DUE DILIGENCE: INVESTIGATIVE TECHNIQUES, INCLUDING BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATABASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREEN, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.
- ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF PADEP'S POLICY "MANAGEMENT OF FILL".
- FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE MUNICIPAL OR RESIDUAL WASTE REGULATIONS IN 25 PA CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.
- ALL FILLS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION OR EXCESS SATURATION.

MAINTENANCE & STABILIZATION

- STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
- AT THE END OF EACH WORKING DAY, ANY SEDIMENT TRACKED OR CONVEYED ONTO A PUBLIC ROADWAY SHALL BE REMOVED AND REDEPOSITED ONTO THE CONSTRUCTION SITE. REMOVAL CAN BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS, BUT MUST NEVER BE WASHED OFF THE ROAD BY USE OF WATER.
- HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
- MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADES, RESEEDING, REMULCHING AND RESETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- CONTRACTOR TO MAINTAIN WRITTEN DOCUMENTATION OF ALL INSPECTIONS AND REPAIR/REPLACEMENT OF BEST MANAGEMENT PRACTICES.
- SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

REVISIONS		
ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



PENNSYLVANIA ONE CALL SYSTEM, INC.
925 Valley Forge Road
West Mifflin, Pennsylvania
15122-1078

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NON-MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, PLANT OR GROUND!

PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH SEAL:
KEVIN M. SELGER, RLA - PA LICENSE 002685

CIVIL ENG. SEAL:
KEVIN M. SELGER, RLA - PA LICENSE 002685

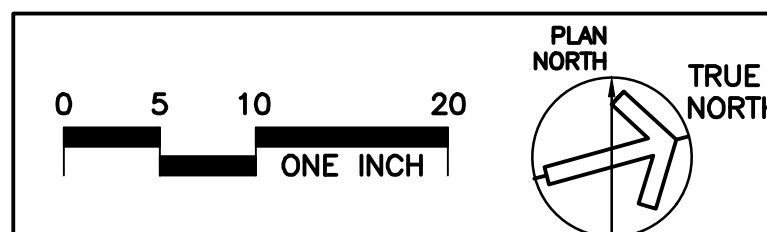
DESIGN CONSULTANT:
GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 820
PHILADELPHIA, PA 19103
PHONE: (800)344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: EROSION & SEDIMENTATION CONTROL PLAN

DPP PROJECT NO.: 16-14-4230-01
CONSULTANT PROJECT NO.: 2014-02041-07
DATE: 12/10/2018
SCALE: AS NOTED
DRAWN BY: MDS
CHECKED BY: KMS
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



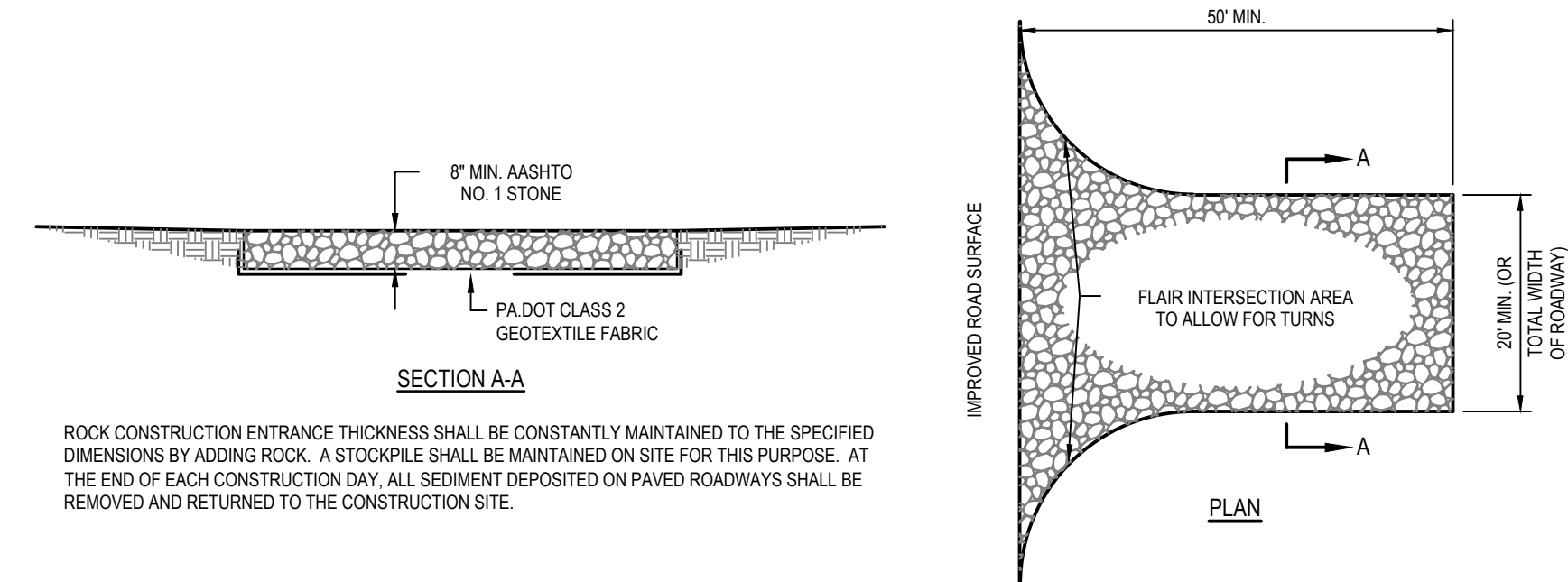
L-5.0

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE AND FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. THE PHILADELPHIA WATER DEPARTMENT SHALL BE NOTIFIED PRIOR TO ANY CHANGES BEING IMPLEMENTED IN THE FIELD.

PHILADELPHIA WATER DEPARTMENT REQUIRES AS-BUILT DRAWINGS TO BE COMPLETED AND MAINTAINED DURING THE CONSTRUCTION PHASE. CONTRACTOR IS TO DOCUMENT ALL PERTINENT INFORMATION WHICH IS RELEVANT TO THE PCSM PLAN AS REQUIRED BY PWD. THE AS-BUILT DRAWINGS ARE TO BE CERTIFIED AS SPECIFIED BY PWD.

1. AT LEAST 7 DAYS PRIOR TO START OF OVERALL EARTH DISTURBANCE ACTIVITIES, PRECONSTRUCTION MEETING SHALL BE HELD INCLUDING THE OWNER, SITE CONTRACTOR, PHILADELPHIA WATER DEPARTMENT (215-685-6387), AND THE PLAN DESIGNER.
2. EROSION AND SEDIMENTATION CONTROL MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONING BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
3. INSTALL AND STABILIZE ALL ROCK CONSTRUCTION ENTRANCES, SILT FENCING, AND INLET PROTECTION.
4. BEGIN DEMOLITION AND REMOVAL OF ITEMS SCHEDULED TO BE REMOVED.
5. ROUGH GRADE AREAS TO BE WORKED AND BEGIN EARTHWORK/PREP WORK FOR FIELD CONSTRUCTION.
6. INSTALL SMP #1-3. NOTE PRIOR TO INSTALLATION OF SMP #1-3 CONTRACTOR TO CONTACT PWD INSPECTIONS COORDINATOR (215-685-6387) TO SCHEDULE INSPECTION:
 - 6.1. EXCAVATE RAIN GARDEN AREA. MANUALLY SCARIFY THE EXISTING SOIL SURFACES. NOTE SOIL COMPACTION IS TO BE MINIMIZED. NO HEAVY EQUIPMENT SHALL NOT BE USED WITHIN THE RAIN GARDEN AREA.
 - 6.2. INSTALL INLETS, TRENCH DRAINS, CATCH BASINS AND ALL ASSOCIATED PIPES CONVEYING FLOW.
 - 6.3. BACKFILL RAIN GARDEN AREA WITH SPECIFIED AMENDED SOIL MIX AND STABILIZE IMMEDIATELY.
 - 6.4. INSTALL ALL SPLASH PADS WITH SEED AS NOTED.
7. INSTALL SMP #4. NOTE PRIOR TO INSTALLATION OF SMP #4 CONTRACTOR TO CONTACT PWD INSPECTIONS COORDINATOR (215-685-6387) TO SCHEDULE INSPECTION:
 - 7.1. EXCAVATE SMP #4 UNDERGROUND DETENTION BASIN AREA.
 - 7.2. INSTALL GEOTEXTILE, R-TANK TRIPLE MODULE UNITS, AND SEPARATOR ROW PER MANUFACTURERS RECOMMENDATION.
 - 7.3. INSTALL ALL PIPING, OUTLET STRUCTURES, AND INLETS. INSTALL INLET PROTECTIONS ON ALL NEW INLETS AND TRENCH DRAINS.
8. INSTALL REMAINING UTILITIES. BACKFILL UTILITY TRENCHES, COMPACT MATERIAL IN LIFTS. TOPSOIL, AND SEED IN LAWN AREAS.
9. INSTALL PLAYGROUND EQUIPMENT AND IMMEDIATELY STABILIZE SITE.
10. INSTALL ALL SITE CURBING, LIGHTING FOUNDATION, AND SIDEWALKS.
11. INSTALL PAVING AND AS LAWN AREAS ARE BROUGHT TO GRADE. THEY SHALL BE PROVIDED WITH A MINIMUM OF 6 INCHES OF TOPSOIL AND SEEDING IMMEDIATELY. ALL VEGETATED AREAS SHALL BE STABILIZED WITH VEGETATION AND MULCH AS SOON AS POSSIBLE.
12. AFTER THE SITE HAS BEEN STABILIZED, ALL TEMPORARY E&S CONTROLS SHALL BE REMOVED. CONTRACTOR SHALL OBTAIN APPROVAL FROM PHILADELPHIA WATER DEPARTMENT AND THE DESIGN PROFESSIONAL PRIOR TO REMOVING TEMPORARY E&S CONTROLS. AREAS DISTURBED DURING THE REMOVAL OF BMPs SHALL BE STABILIZED IMMEDIATELY.
 - 12.1. ALL ACCUMULATED SEDIMENTS SHALL BE DISPOSED OF IN APPROVED UPLAND AREAS.
 - 12.2. STABILIZATION SHALL BE CONSIDERED THE PLACEMENT OF BASE COURSE IN PAVED AREAS OR BY 75% (PERCENT) OR MORE VEGETATION, UNIFORM COVERAGE, IN LAWN AREAS OR BY OTHER PERMANENT MEANS WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS

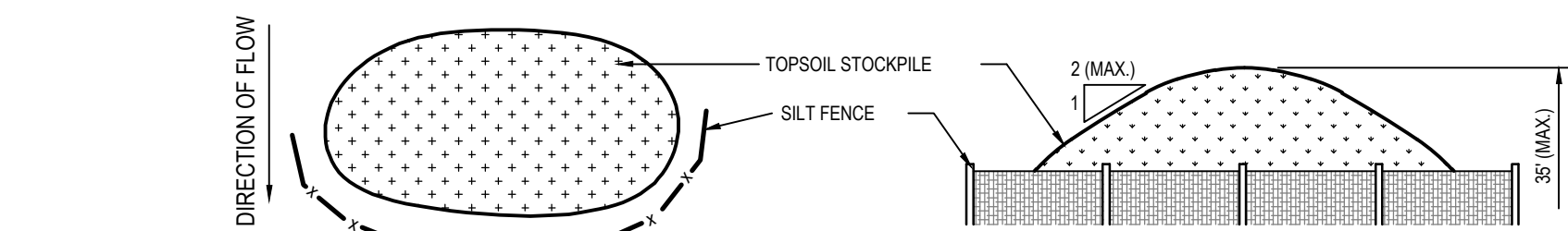
1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED, STABILIZED AND FUNCTIONAL PRIOR TO EARTH DISTURBANCE WITHIN THE TRIBUTARY AREA TO SAID EAS AREA.
2. LOCAL ROADS ARE TO REMAIN FREE OF SEDIMENT AND CONSTRUCTION VEHICLES AND EQUIPMENT.
3. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF ACCELERATED EROSION AND SEDIMENTATION AS PER SEEDINGS AND MULCHING SCHEDULE.
4. SILT FENCING MAY BE REMOVED WHEN THE SITE IS PERMANENTLY STABILIZED. ACCUMULATED SEDIMENT MAY BE SPREAD AT THE SITE IN AREAS NOT SUBJECT TO EROSION.
5. THE TREE PROTECTION FENCING SHALL NOT BE REMOVED UNTIL ALL DEVELOPMENT AREAS ARE STABILIZED AND WRITTEN CONFIRMATION IS RECEIVED FROM THE BUCKS COUNTY CONSERVATION DISTRICT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
7. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, OR REVISIONS TO THE EAS PLANS WHICH AFFECT THE EFFECTIVENESS OF THE APPROVED EAS CONTROL PLAN, THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM THE PHILADELPHIA WATER DEPARTMENT.
8. THE CONTRACTOR IS ADVISED TO BECOME FAMILIAR WITH THE PROVISIONS OF APPENDIX 64, "EROSION CONTROL, RULES AND REGULATIONS," TITLES 25, PART 1, DEPT. OF ENVIRONMENTAL PROTECTION, SUBPART 64.01, "CONTROL OF NATURAL RESOURCES," AND TITLES 25, PART 2, DEPT. OF ENVIRONMENTAL PROTECTION, SUBPART 64.02, "CONTROL OF WATER," AND WITH THE "EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL" BY THE COMMONWEALTH OF PA, DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 2000 OR LATEST EDITION.
9. TECHNICAL ADVICE FOR THE IMPLEMENTATION OF THIS PROGRAM MAY BE OBTAINED BY CONTACTING THE PHILADELPHIA WATER DEPARTMENT.
10. COPIES OF THESE PLANS MUST BE AVAILABLE ON SITE THROUGHOUT CONSTRUCTION.
11. THE CONTRACTOR SHALL ASSURE THAT AN APPROVED EROSION & SEDIMENT CONTROL PLAN IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK BORROW OR SPOIL AREAS REGARDLESS OF THEIR LOCATION.
12. ALL MATERIALS TO BE USED ON THIS SITE SHALL BE CLEAN FILL UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY AND THE CONSERVATION DISTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM DUE DILIGENCE FOR ALL IMPORTED MATERIAL IN DETERMINING THAT FILL IS CLEAN.
13. INVESTIGATIVE TECHNIQUES SHALL INCLUDE, BUT ARE NOT LIMITED TO, VISUAL, PROPERTY INSPECTIONS, PHOTOGRAPHIC, TABLET, AND OTHER METHODS OF DETECTION AND MONITORING OF PROPERTY USE, HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING AND ENVIRONMENTAL ASSESSMENTS OR AUDITS. LOCATIONS OF EXISTING UNDERGROUND UTILITIES/FACILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM RECORDS, FIELD MARKBOYS BY CITY ENGINEERS, AND ABOVE-GROUND OBSERVATION OF THE SITE.
14. NO EXCAVATIONS WERE PERFORMED IN THE PREPARATION OF THESE DRAWINGS; THEREFORE ALL UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH, AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES/FACILITIES TO BE PRESENT WHICH ARE NOT SHOWN ON THE DRAWINGS. THE VISIBLE LOCATIONS OF UNDERGROUND UTILITIES/FACILITIES AT THE TIME OF THE FIELD SURVEY SHALL BE CONSIDERED TRUE AND ACCURATE. COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES/FACILITIES ARE NOT GUARANTEED BY GILMORE & ASSOCIATES INC. ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO ANY EXCAVATION. PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, P. 852 NO. 287 DECEMBER 10, 1974 IS LAST AMENDED ON NOVEMBER 30, 2004, PENNSYLVANIA DEPT. 199. GILMORE & ASSOCIATES INC. HAS OBTAINED A PA-ONE CALL SERIAL NUMBER 2012) FOR DESIGN PURPOSES ONLY.
15. CONTRACTOR SHALL FOLLOW THE PROCEDURES OUTLINED BY THE EROSION & SEDIMENT CONTROL PLAN, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS AS APPROVED BY THE CITY OF PHILADELPHIA ENGINEER AND THE PHILADELPHIA WATER DEPARTMENT.



1 TEMPORARY ROCK CONSTRUCTION ENTRANCE
L-5.1 SCALE: NTS

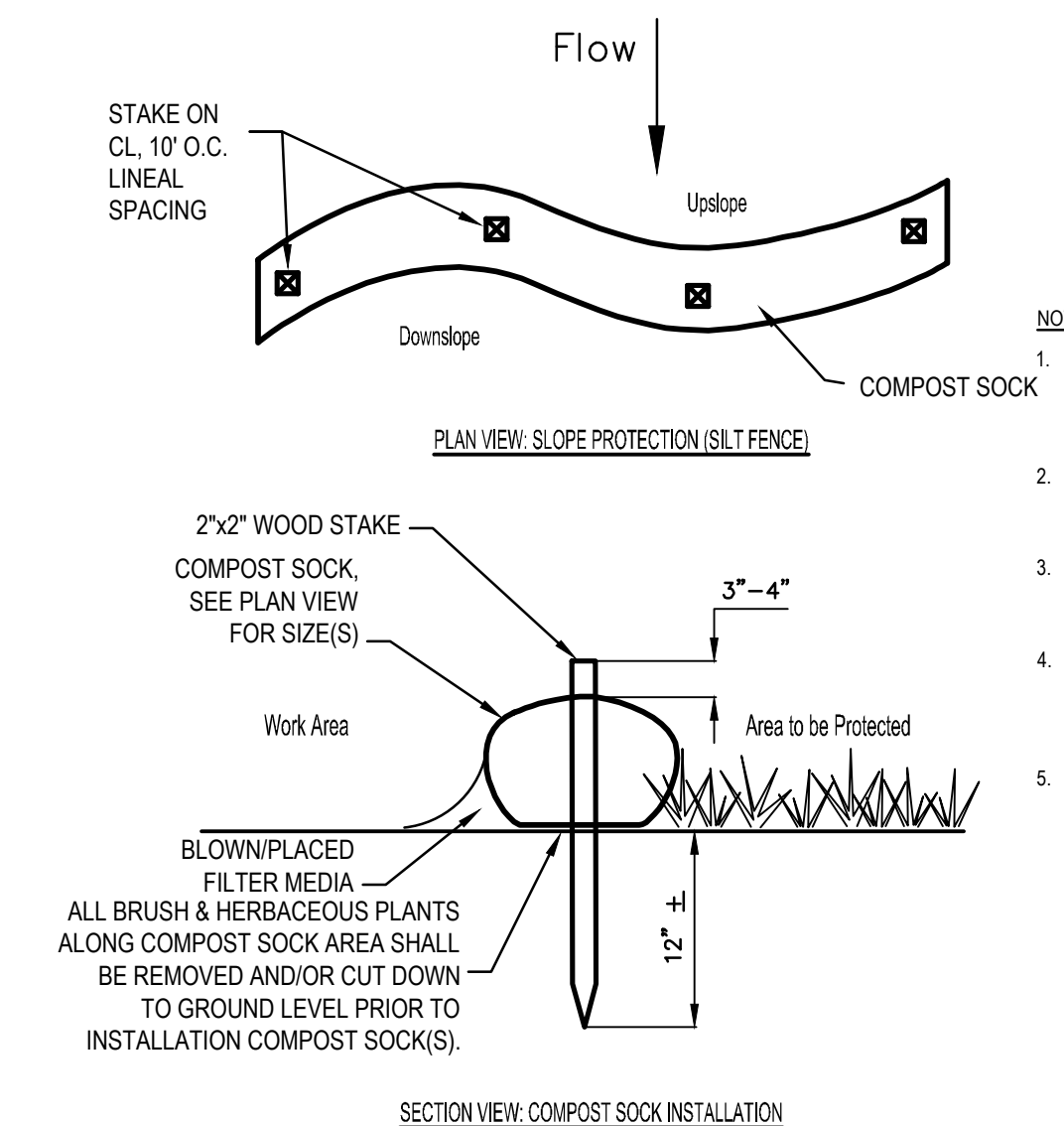
1. EXISTING TREES AND OTHER EXISTING VEGETATION WILL BE DISRUPTED AS LITTLE AS POSSIBLE.
2. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITY HAS CEASED, ALL AREAS SHALL BE STABILIZED.
3. DURING NON-GERMINATING PERIODS, MULCH SHALL BE APPLIED AT SPECIFIED RATES. DISTURBED AREAS THAT ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR SHALL BE STABILIZED WITH TEMPORARY VEGETATION. AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN ONE YEAR SHALL RECEIVE PERMANENT STABILIZATION. (SEE SEEDING AND MULCHING TABLE FOR DETAILS)
4. ALL TOPSOIL FROM THE OVERALL SITE PREPARATIONS WILL BE STOCKPILED AND REDISTRIBUTED UNIFORMLY AT THE TIME OF FINAL GRADING. ALL STOCKPILES SHALL HAVE PERIMETER SILT FENCE AND MULCH. STOCKPILES OF TOPSOIL SHALL BE STOCKPILED ON A SLOPE OF 2:1 OR FLATTER AND SHALL HAVE A HEIGHT NOT GREATER THAN 35 FEET. SEE PLAN FOR LOCATION OF TOPSOIL STOCKPILES.
5. GRADE ALL CUT AND FILL SLOPES TO 3 FOOT HORIZONTAL FOR EVERY 1 FOOT VERTICAL ON FLATTER, AND APPLY SEEDING AND MULCH. AREAS WITH GRADIENTS GREATER THAN 3:1 SHALL RECEIVE STEP-BLOKE SEEDING AND PERMANENT STABILIZATION. ALL STOCKPILES SHALL HAVE A SIDE SLOPE OF 2:1.
6. RIP-RAP WILL BE APPLIED TO ALL AREAS WHERE HEAVY CONCENTRATIONS OF DRAINAGE ARE PREVALENT (GREATER THAN 3.5 db). THIS WOULD BE AT CULVERT OUTLETS, WHERE WATER IS IN TRANSITION FROM AN OPEN CHANNEL INTO A CULVERT, OR AS SPECIFIED.
7. SIGNIFICANT STANDS OF TREES, DESIGNATED TO REMAIN, WILL BE PROTECTED WITH FENCING, SEE DETAIL. INSTALL ALONG THE DRIP LINE OF THE TREE BRANCHES.
8. EROSION CONTROL FACILITIES MUST DISCHARGE INTO ADEQUATE STORM SEWERS, NATURAL WATERWAYS OR STABLE EROSION RESISTANT AREAS.
9. UNTIL THE SITE IS STABILIZED, ALL EROSION CONTROL MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AT EACH STORM EVENT AND ON A WEEKLY BASIS. ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADE, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY.
10. ANY SEDIMENT OR MUD THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE CLEANED OFF IMMEDIATELY BY BROOMING AND/OR SHOVELING TO THE SATISFACTION OF THE TOWNSHIP AT THE EXPENSE OF THE DEVELOPER AND/OR RESPONSIBLE CONTRACTOR. USE OF A BACKHOCK BUCKET TO SCRAPE ROADWAY SURFACE IS PROHIBITED. WHERE SAND AND/OR SEDIMENT IS CAUSING SLACK OR HAZARD ON ANY CONDITION, ROADWAY SURFACE SHALL BE PRESSURE WASHED TO REMOVE THE CONDITION. ALL SEDIMENT LAIDEN WATER MUST BE FILTERED IN A MANNER SATISFACTORY TO THE PHILADELPHIA WATER DEPARTMENT BEFORE ENTERING STORM SEWERS AND/OR DRAINAGE CHANNELS.
11. NO SEDIMENT OR SEDIMENT LAIDEN WATER MUST BE ALLOWED TO LEAVE THE SITE/PROPERTY WITHOUT FIRST BEING FILTERED TO THE SATISFACTION OF BUCKS COUNTY CONSERVATION DISTRICT. ANY INLETS WHICH DO NOT DIRECT FLOW TO A SEDIMENT BASIN MUST BE PROTECTED WITH STONE FILTER SILT MAT PROTECTION.
12. ALL PUMPING OF SEDIMENT-LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A FILTER BAY, DISCHARGING OVER UNDISTURBED AREAS.
13. ABSOLUTELY NO EARTHMOVING, PLACEMENT OF FILL MATERIAL, OR THE ENTRY OF SEDIMENT LADEN WATER MUST TAKE PLACE IN WETLANDS. ALL WETLANDS SHALL BE PROTECTED FROM ENCROACHMENT WITH FENCING.
14. ROCK FILTER OUTLETS MUST BE PROVIDED IMMEDIATELY WHERE SILT FENCING HAS BEEN UNDERMINED OR OVERTOPPED.
15. THE SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THIS PLAN HAVE BEEN PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE BUCKS COUNTY CONSERVATION DISTRICT. GILMORE AND ASSOCIATES DOES NOT TAKE ANY RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION OR THE MAINTENANCE OF THESE FACILITIES UNLESS REQUESTED SPECIFICALLY BY THE OWNER AND CONTRACTOR. THEREFORE, GILMORE AND ASSOCIATES DOES NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF IMPROPER CONSTRUCTION AND/OR MAINTENANCE OF FACILITIES DURING CONSTRUCTION.
16. ACCUMULATED SEDIMENTS REMOVED FROM ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE STORED IN AREAS OF EROSION RESISTANT MATERIALS (SLOPES, WETLANDS, DRAINAGE SWALES). IMMEDIATELY STABILIZE REPLACED SOILS WITH SEED & MULCH OR DEPOSIT IN SOIL STOCKPILES AND STABILIZE.
17. ALL BUILDING MATERIAL AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR RECYCLED IN ACCORDANCE WITH DEP'S SOLID WASTE REGULATIONS, AND/OR ANY ADDITIONAL LOCAL, STATE OR FEDERAL REGULATIONS. NO BUILDING MATERIALS (USED OR UNUSED) OR WASTE MATERIALS (SUCH AS BURNED, BURNED, DUMPED OR DISCHARGED) AT THE SITE.

4 TREE PROTECTION FENCING

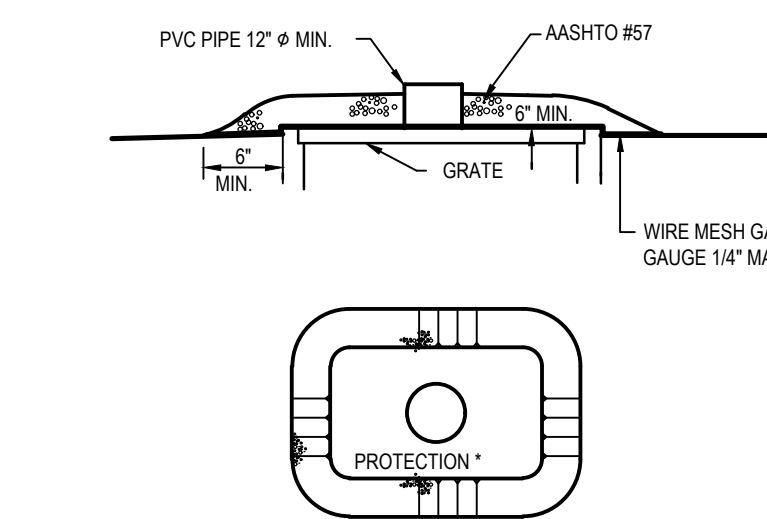


5 TOPSOIL STOCKPILE
L-5.1 SCALE: NTS

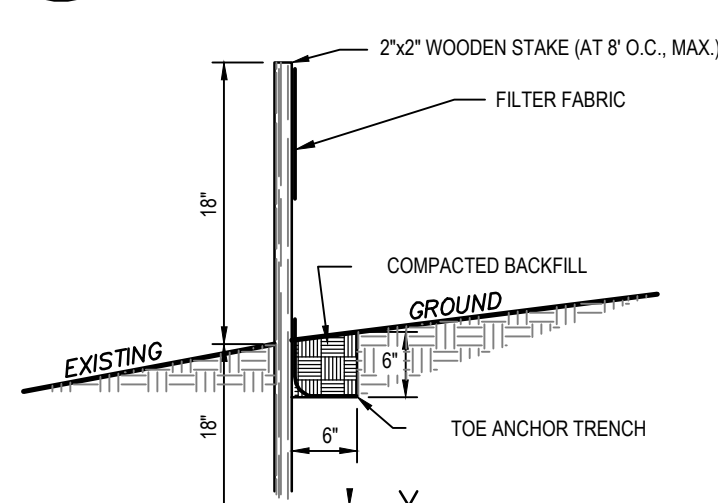
- SITE PREPARATION, STABILIZATION AND MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH PENN STATE UNIVERSITY'S "THE AGRONOMY GUIDE" AND PENNDOT FORM 408 SPECIFICATIONS' MOST RECENT ADDITION.**
- **TEMPORARY SEEDING SPECIFICATION FORMULA E:**
 - 100% ANNUAL RYE GRASS
 - **PERMANENT SEEDING SPECIFICATION FORMULA B:**
 - 50% KENTUCKY BLUEGRASS MIXTURE
 - 30% PENNLAWN RED FESCUE
 - 20% PERENNIAL RYEGRASS MIXTURE
 - **STEEP SLOPE SEEDING SPECIFICATION FORMULA W:**
 - 70% TALL FESCUE
 - 20% BIRDSFOOT TREFOIL MIXTURE
 - 10% REDTOP
 - **SEEDING RATE FOR THE ABOVE MIXTURES:**
 - 10 LBS/1,000 SY FOR TEMPORARY SEEDING
 - 21 LBS/1,000 SY FOR PERMANENT SEEDING
 - 11 LBS/1,000 SY FOR STEEP SLOPE SEEDING (SEE NOTE 4)
 - **HAY OR STRAW MULCH SHALL BE APPLIED AT THE RATES OF AT LEAST 3.0 TONS PER ACRE.**
 - **PULVERIZED AGRICULTURAL LIMESTONE AND COMMERCIAL FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS WHICH ARE TO BE SEEDDED EXCEPT FOR TEMPORARY SEED AREAS ARE THE FOLLOWING RATES:**
 - PULVERIZED AGRICULTURAL LIMESTONE = 90 LBS/1,000 SF
 - 10-20-20 ANALYSIS COMMERCIAL FERTILIZER = 20 LBS/1,000 SF
 - **NOTE: APPLICATION OF LIME AND FERTILIZER FOR TEMPORARY SEEDING IS UNNECESSARY AND ONLY SERVES TO CONTRIBUTE TO AN OVERABUNDANCE OF NUTRIENT POLLUTION IN THE WATERSHED.**
- 2. PERMANENT SEEDING SHALL TAKE PLACE FROM MARCH 15 TO JUNE 1 OR FROM AUGUST 1 TO OCTOBER 15. IF COMPLETED AT IN OTHER SEASONS, AREAS SHALL RECEIVE TEMPORARY SEEDING AND 3.0 TONS PER ACRE MULCH.**
- 3. STEEP SLOPE AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR PARTICULAR METHOD AND SPECIFIC SITE CONDITIONS.**
- **FLEXIBLE GROWTH MEDIUM:** SHALL BE HYDRAULICALLY APPLIED COMBINATION OF SEED, MULCH, AND EROSION PROTECTION MATERIAL SIMILAR TO "FLEXITERA" BY ACF OR EQUAL BY OTHER MANUFACTURER.
 - **EROSION CONTROL MATTING:** SHALL BE TEMPORARY MATTING SIMILAR TO SC350 BY NORTH AMERICAN GREEN OR EQUAL BY OTHER MANUFACTURER.



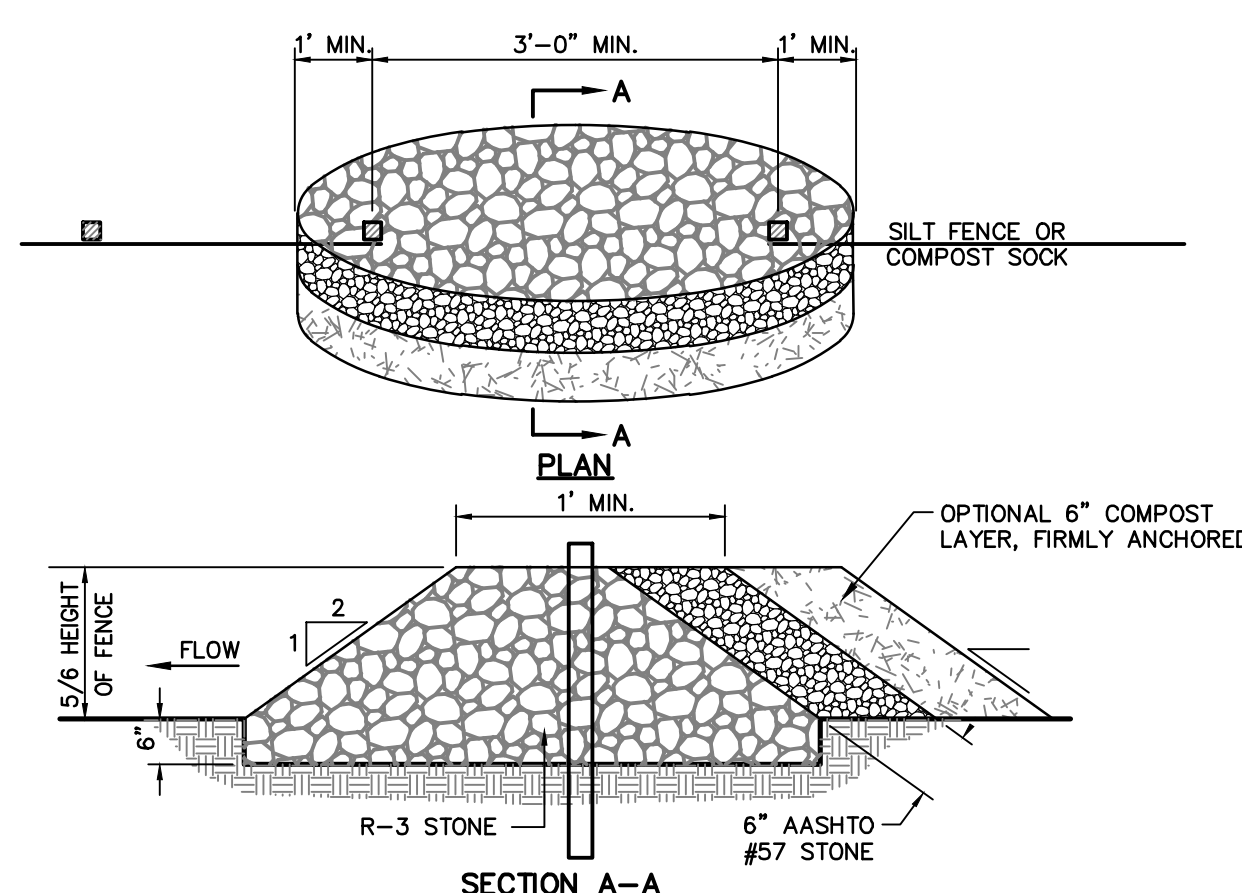
6 COMPOST SOCK "SILT FENCE" DETAIL
L-5.1 SCALE: NTS



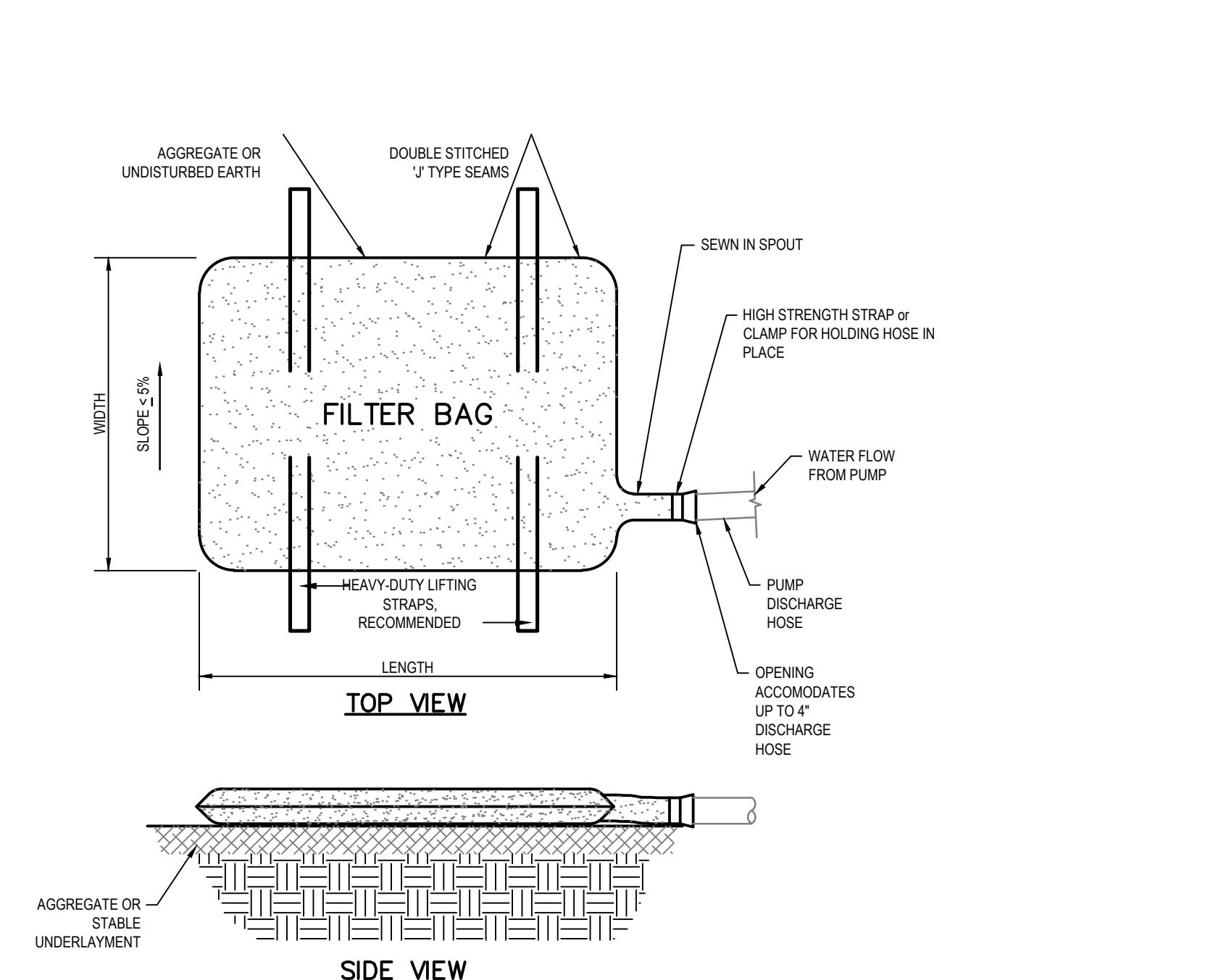
2 GRAVEL INLET PROTECTION
L-5.1 SCALE: NTS



3 STANDARD 18" HT. SILT FENCING



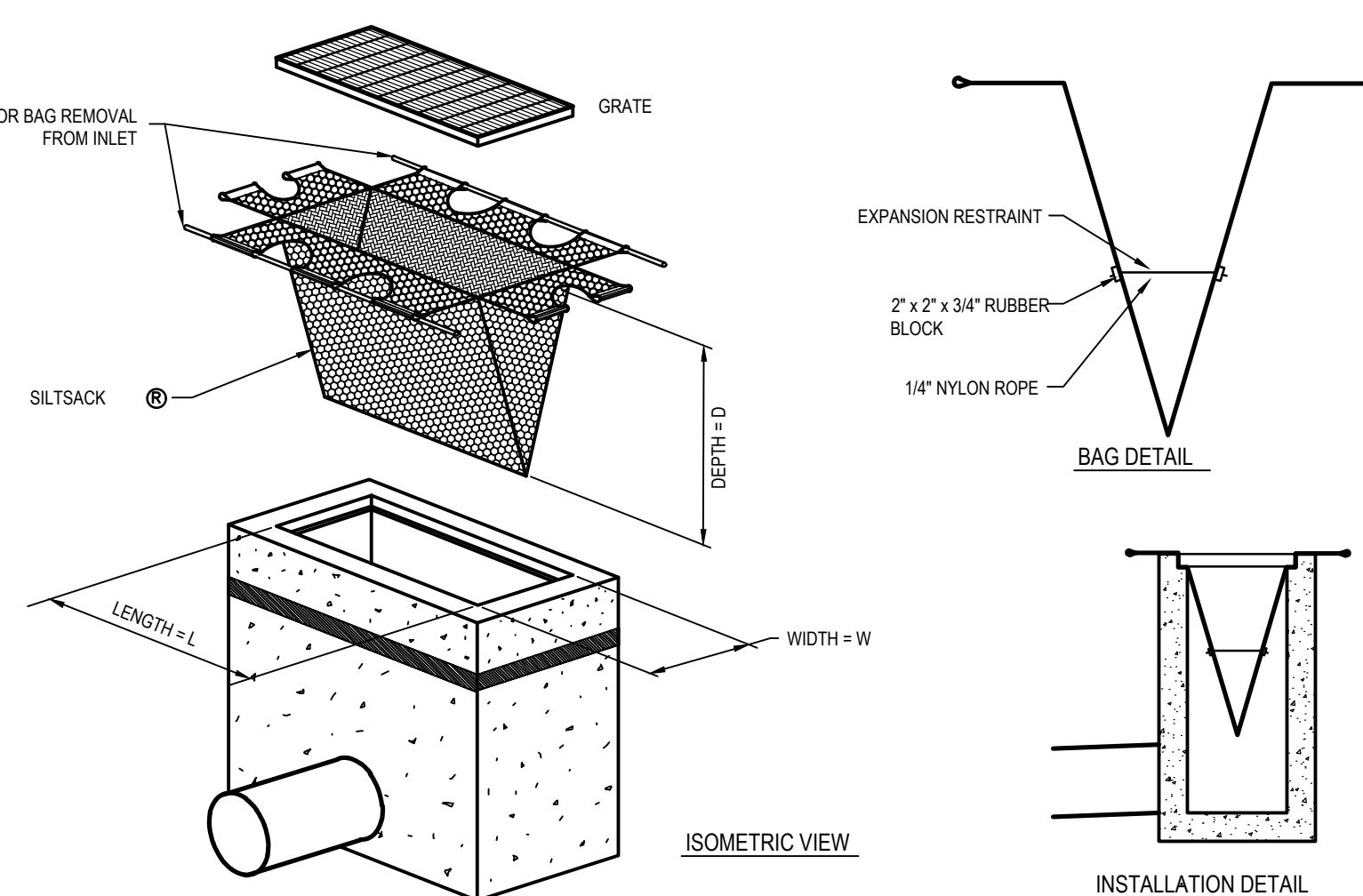
7 **ROCK FILTER OUTLET DETAIL**
L-5.1 SCALE: NTS



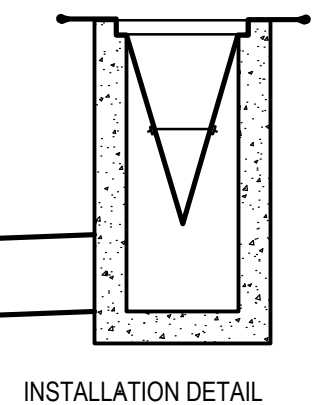
FLITER BAG TO BE USED WHEN WATER PONDS IN EXCAVATIONS.

1. THE FLITER BAG SHALL BE MADE OF NON-WOVEN GEOTEXTILE WHICH RETAINS ALL SEDIMENT PARTICLES LARGER THAN 150 MICRONS
2. PLACE FLITER BAGS ON STABLE OR WELL VEGETATED AREAS WHICH ARE FLATTER THAN 5% AND WHICH WILL NOT ERODE WHEN SUBJECTED TO BAG DISCHARGES.
3. CLAMP PUMP DISCHARGE HOSES SECURELY INTO FLITER BAG.
4. LIMIT PUMPING TO 12 THE MANUFACTURERS MAXIMUM PUMPING RATE.
5. WHEN SEDIMENT FILLS 1/2 THE VOLUME OF FLITER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.
6. THE DISCHARGE FROM THE FLITER BAG SHOULD NOT PASS THROUGH A DISTURBED AREA OR CAUSE AN EROSION PROBLEM DOWN

5.1 FILTER BAG DETAIL

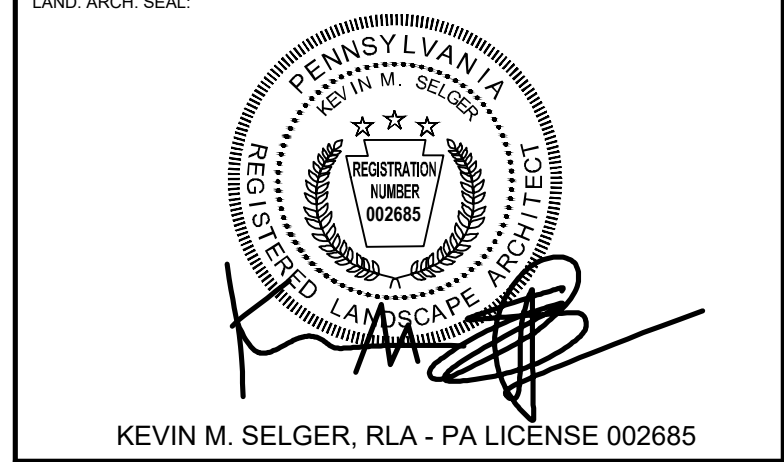


SILTSACK® INLET PROTECTION
SCALE: NTS



PENNSYLVANIA ONE CALL SYSTEM, INC.
 925 Irwin Run Road
 West Mifflin, Pennsylvania
 15122 - 1078

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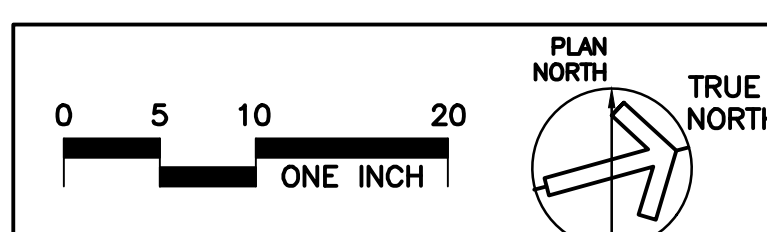
DPP PROJECT NUMBER 16-14-4230-01
PROJECT TITLE:

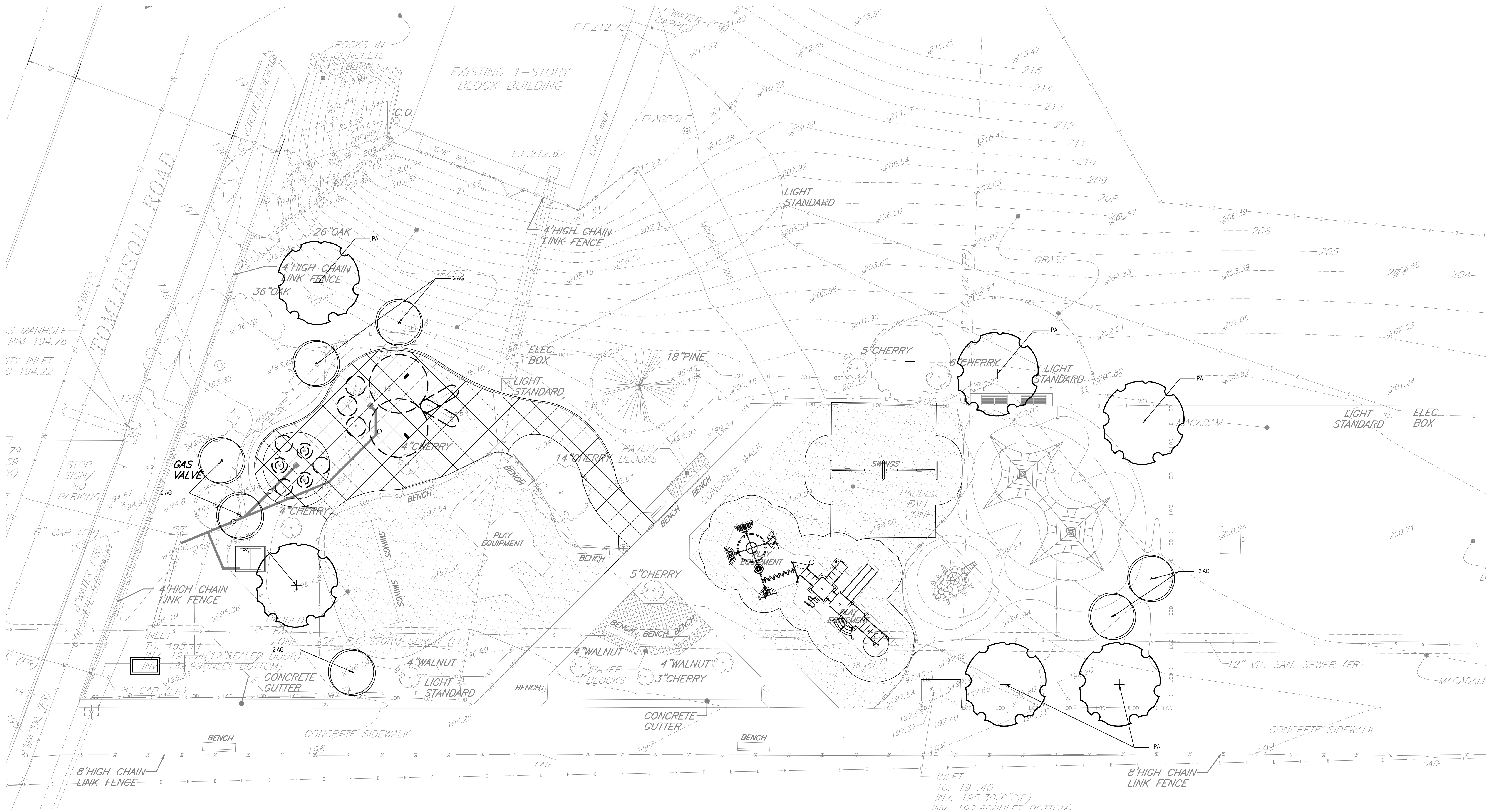
**IMPROVEMENTS TO
GIFFORD PLAYGROUND**

575 TOMLINSON ROAD, PHILA. PA

E & S CONTROL NOTES AND DETAILS

DPP PROJECT NO:	16-14-4230-01	DRAWING NO.
CONSULTANT PROJECT NO:	2014-02041-07	
DATE:	12/10/2018	
SCALE:	AS NOTED	
DRAWN BY:	MDS	
CHECKED BY:	KMS	<h1>L-5.1</h1>
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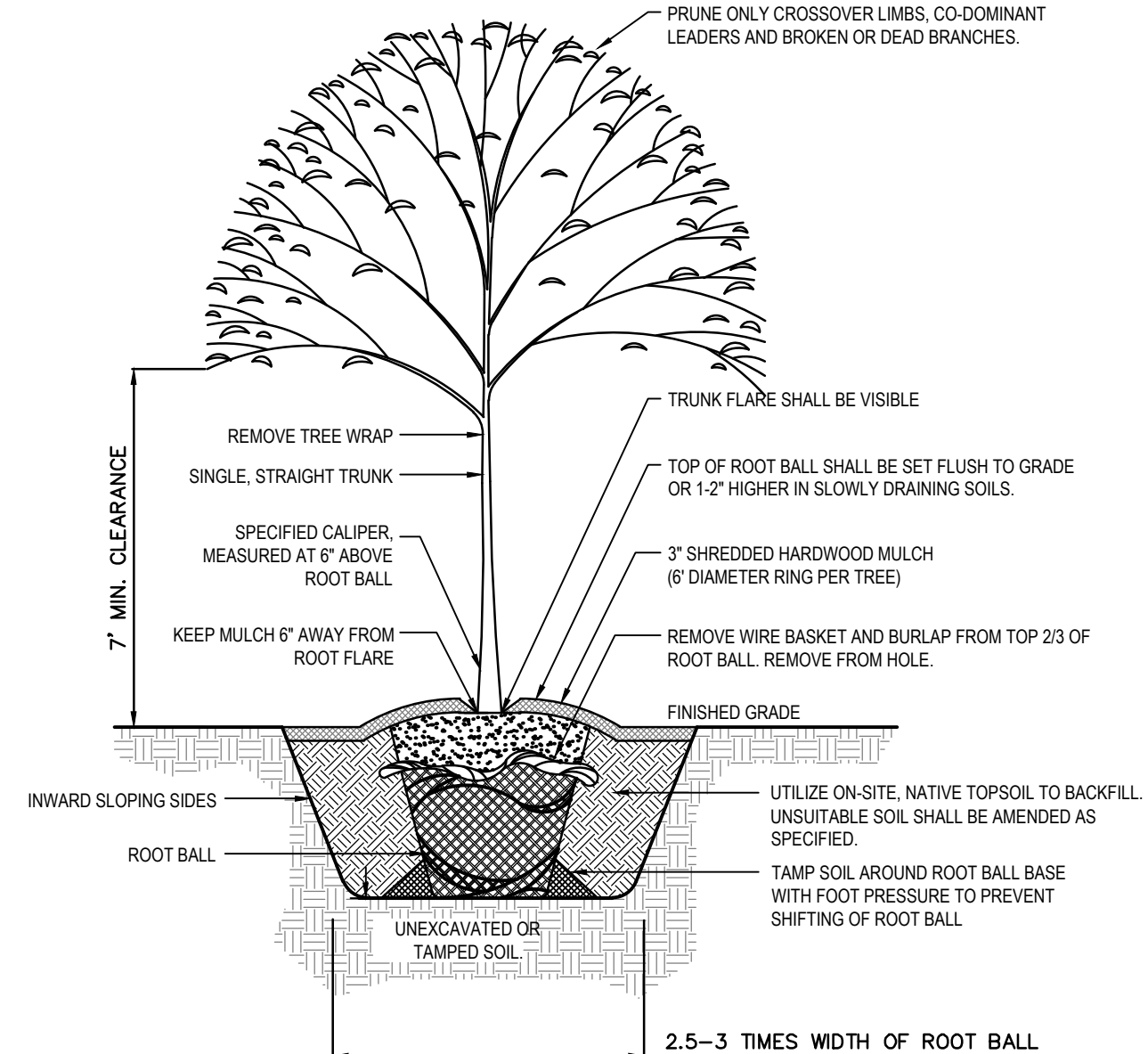




1 LANDSCAPE PLANTING PLAN
SCALE: 1" = 10'

PLANT SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT
CANOPY TREES						
PA	6	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	3" CALIPER MIN.	AS SHOWN	B&B
ORNAMENTAL TREES						
AG	7	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	12' HT. MIN.	AS SHOWN	B&B

GENERAL NOTES:
1. CONTRACTOR SHALL PROVIDE AND INSTALL SOD IN AREAS DESIGNATED AS WELL AS ANY DISTURBED LAWN AREAS WITHIN THE LIMIT OF DISTURBANCE.



1 TREE PLANTING DETAIL
SCALE: NTS

REVISIONS		
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DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH. SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

DESIGN CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE ARCHITECTURE & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 820
PHILADELPHIA, PA 19103
PHONE: (800) 344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

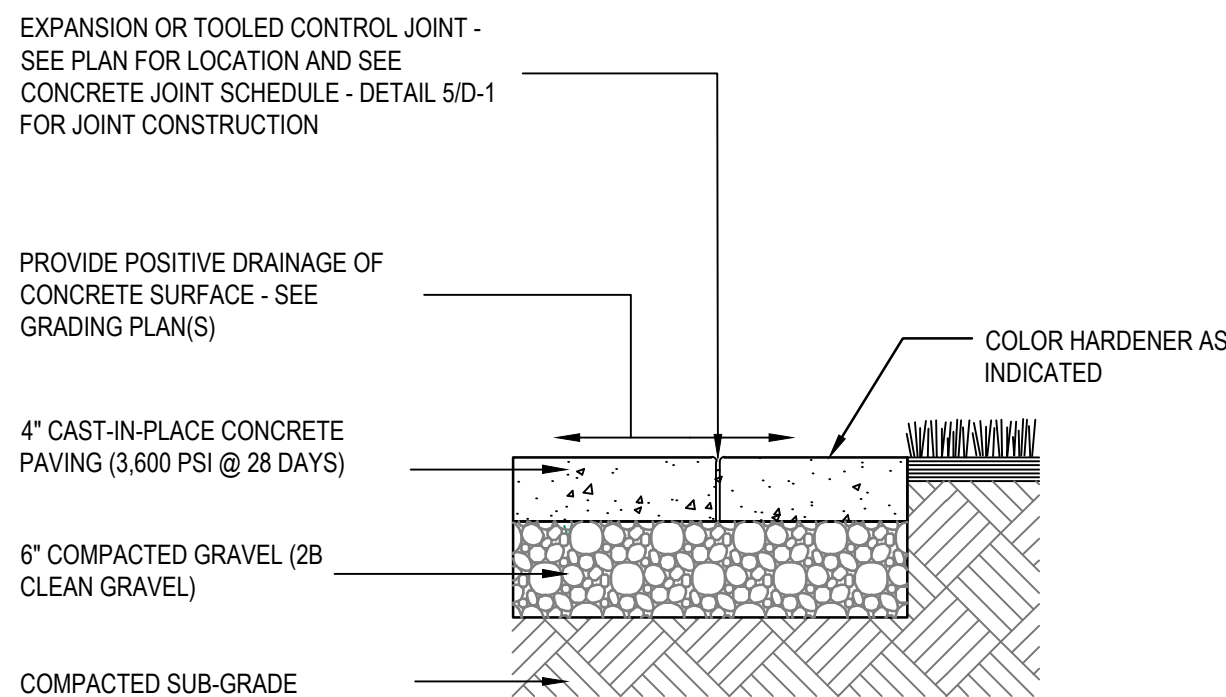
DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

DRAWING TITLE: LANDSCAPE PLANTING PLAN

DPP PROJECT NO.: 16-14-4230-01
CONSULTANT PROJECT NO.: 2014-02041-07
DATE: 12/10/2018
SCALE: AS NOTED
DRAWN BY: MDS
CHECKED BY: KMS

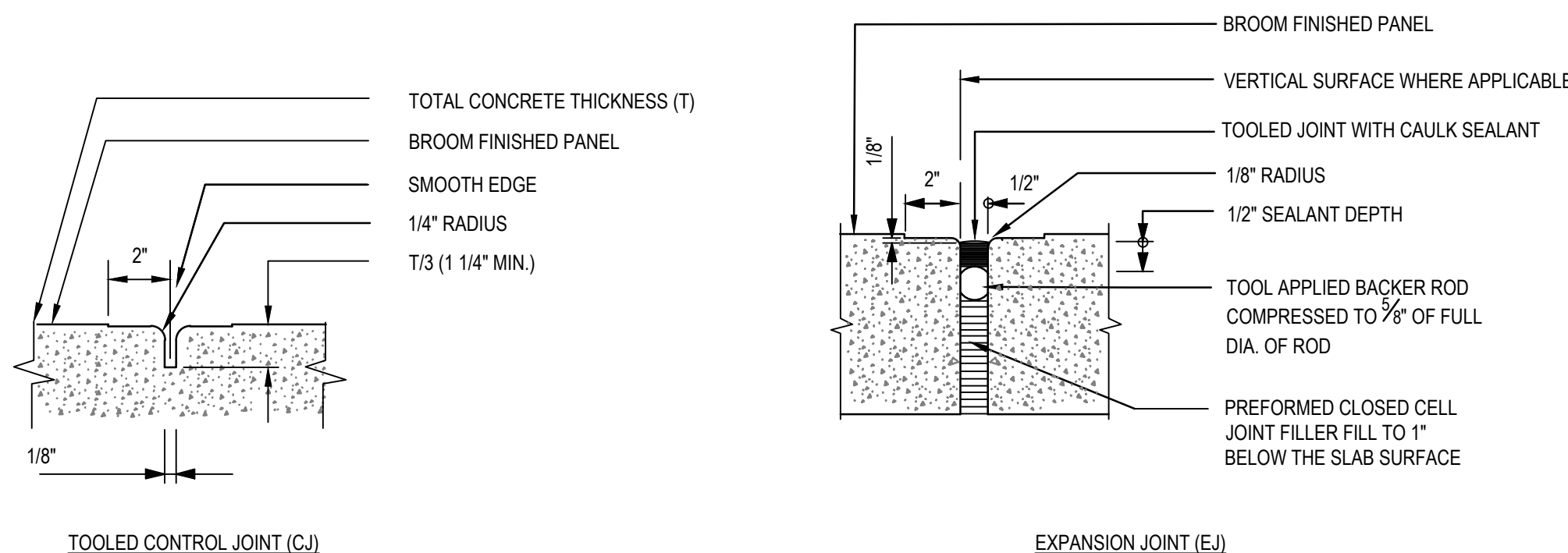
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NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



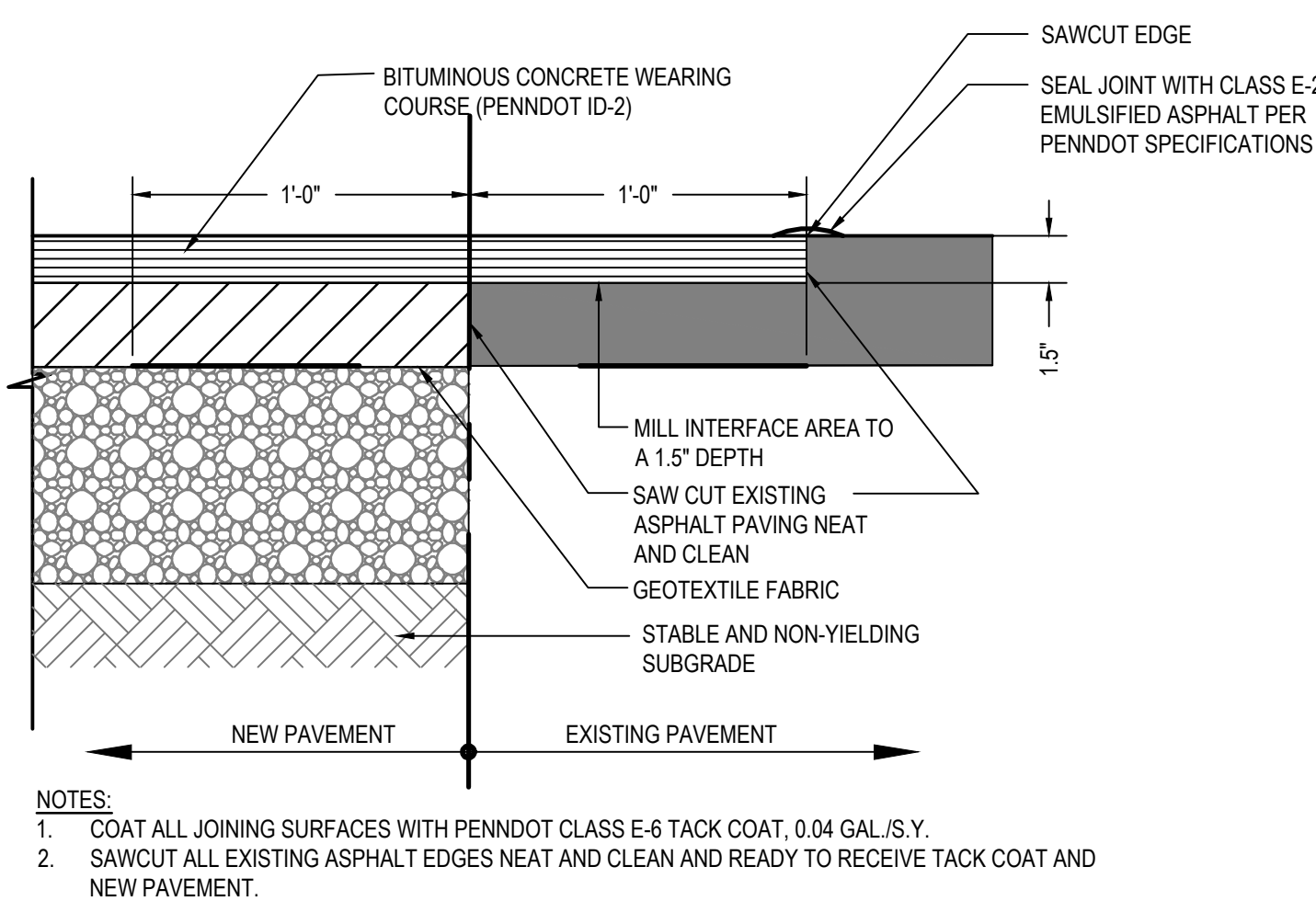
1 STANDARD CONCRETE PAVING DETAIL

D-1.0 SCALE: NTS



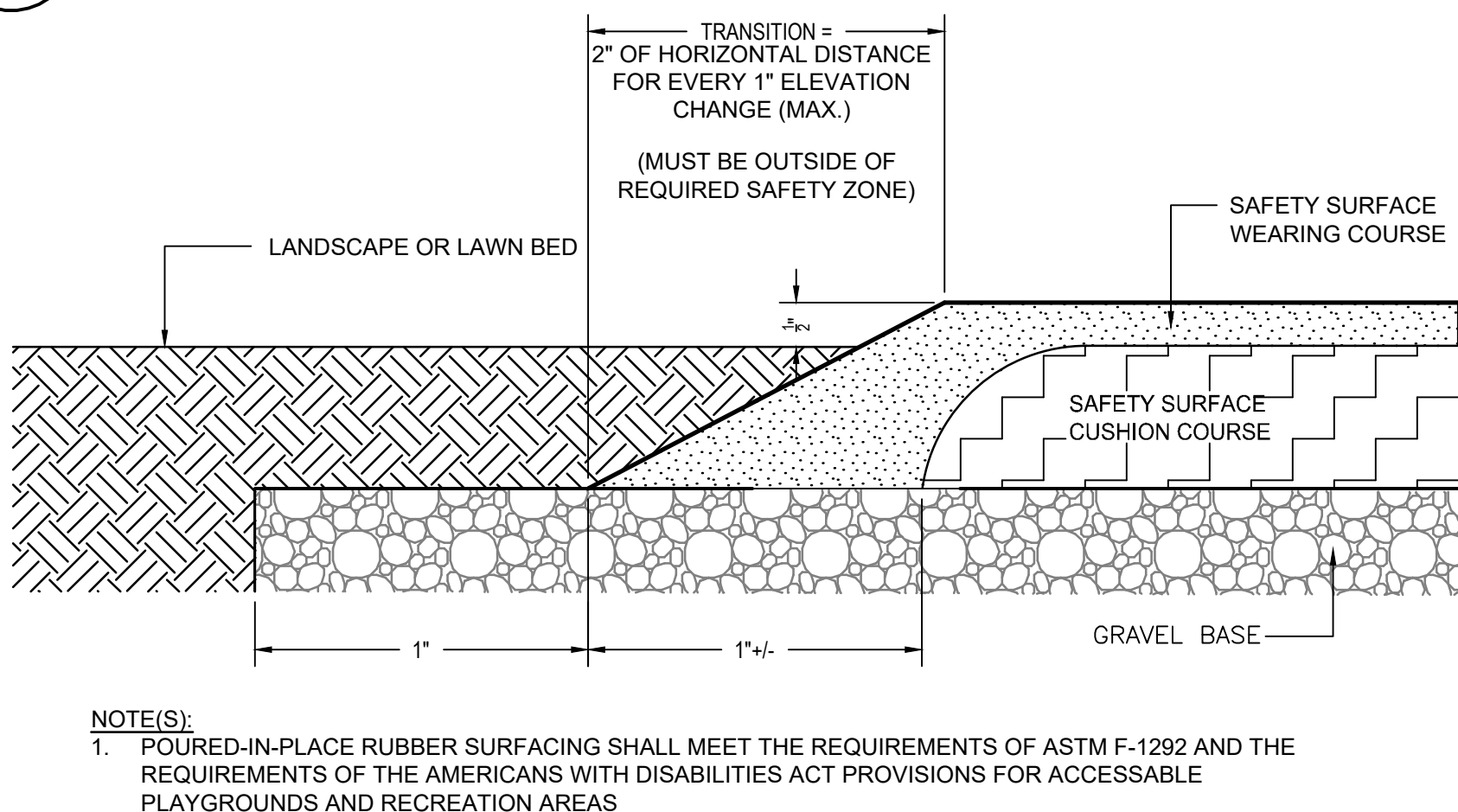
2 CONCRETE PAVING JOINT SCHEDULE

D-1.0 SCALE: NTS



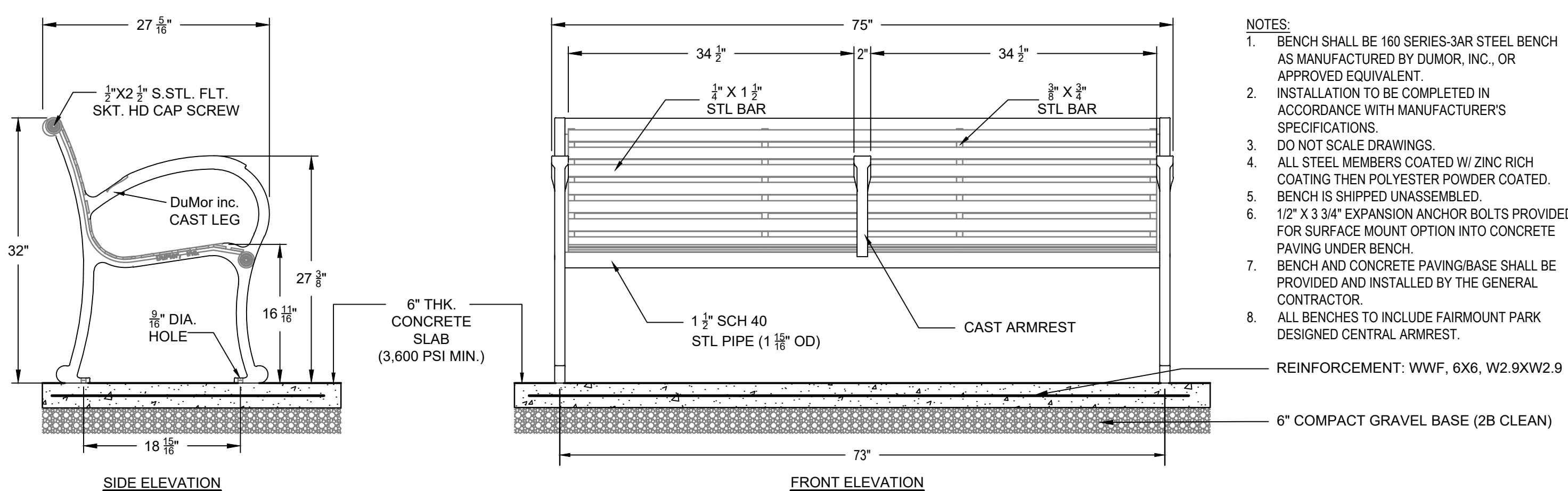
3 NEW/EXISTING ASPHALT PAVING CONNECTION

D-1.0 SCALE: NOT TO SCALE



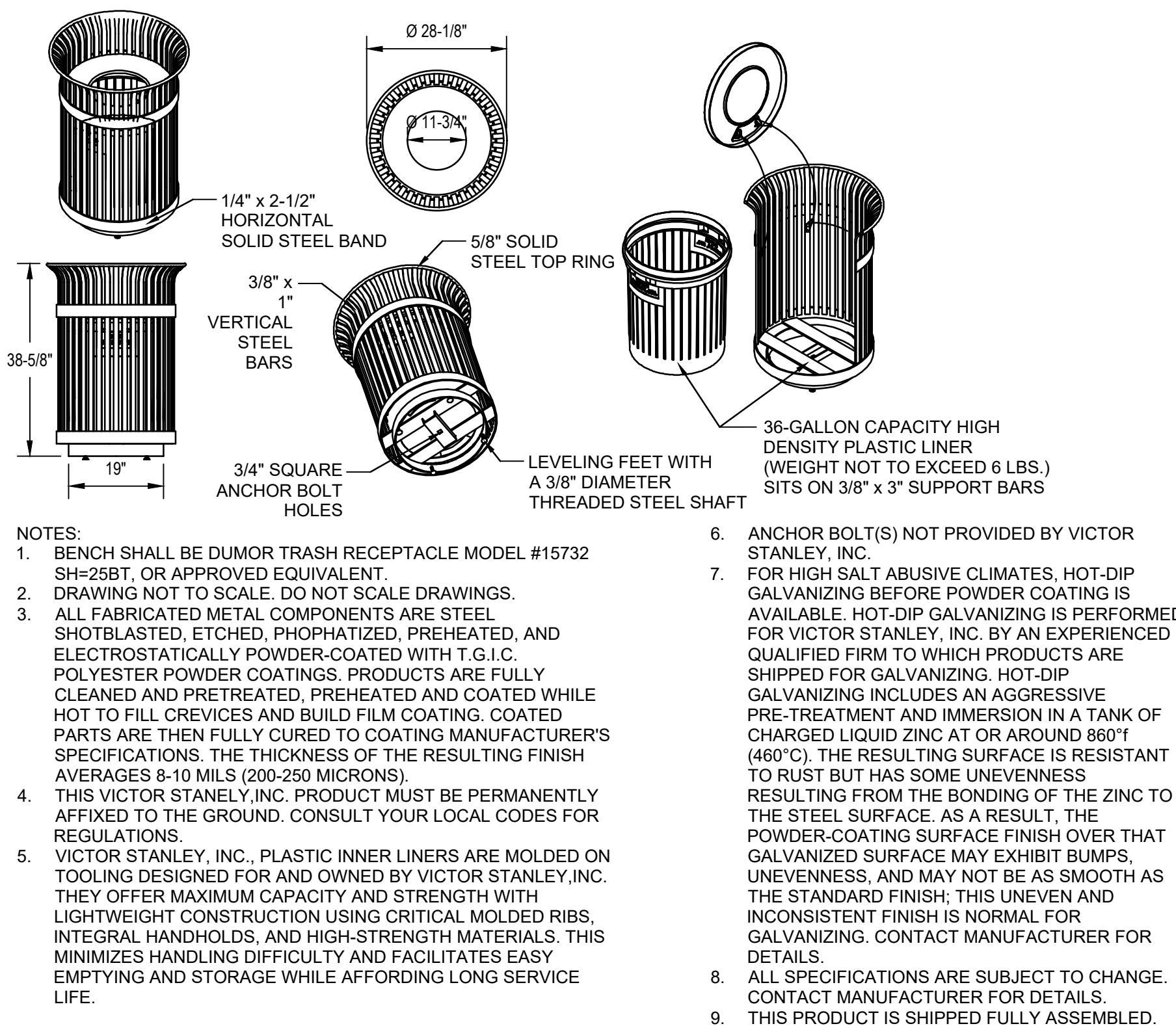
4 POURED-IN-PLACE SAFETY SURFACE TURNDOWN AT LANDSCAPE / LAWN BED DETAIL

D-1.0 SCALE: NTS



5 STEEL BENCH DETAIL

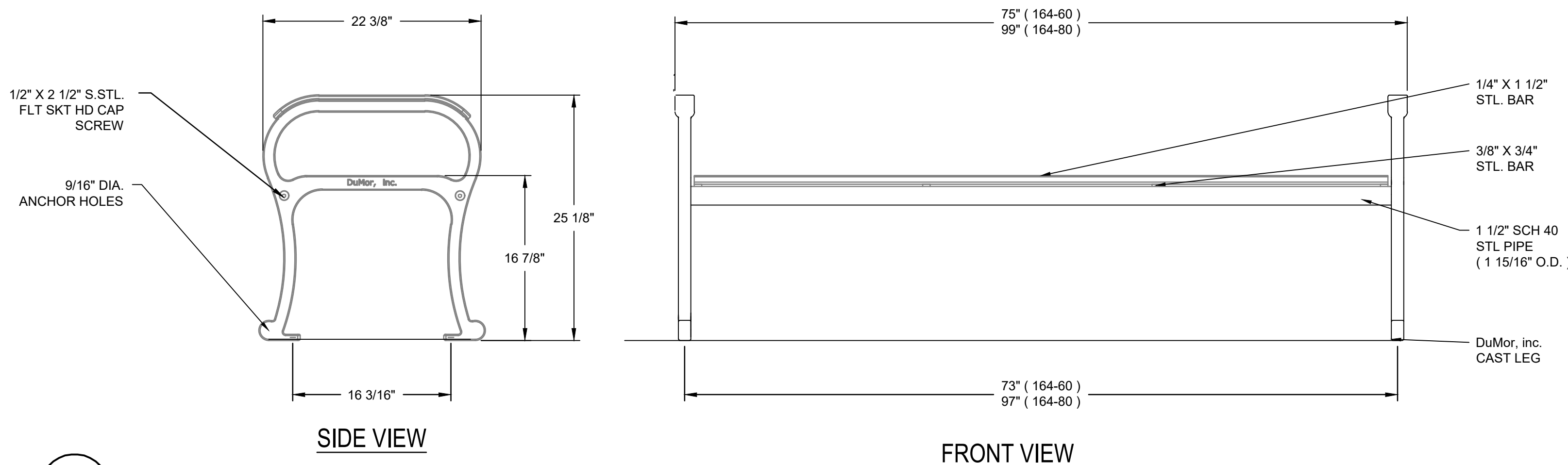
D2.0 TYPICAL



6 STEEL TRASH RECEPTACLE DETAIL

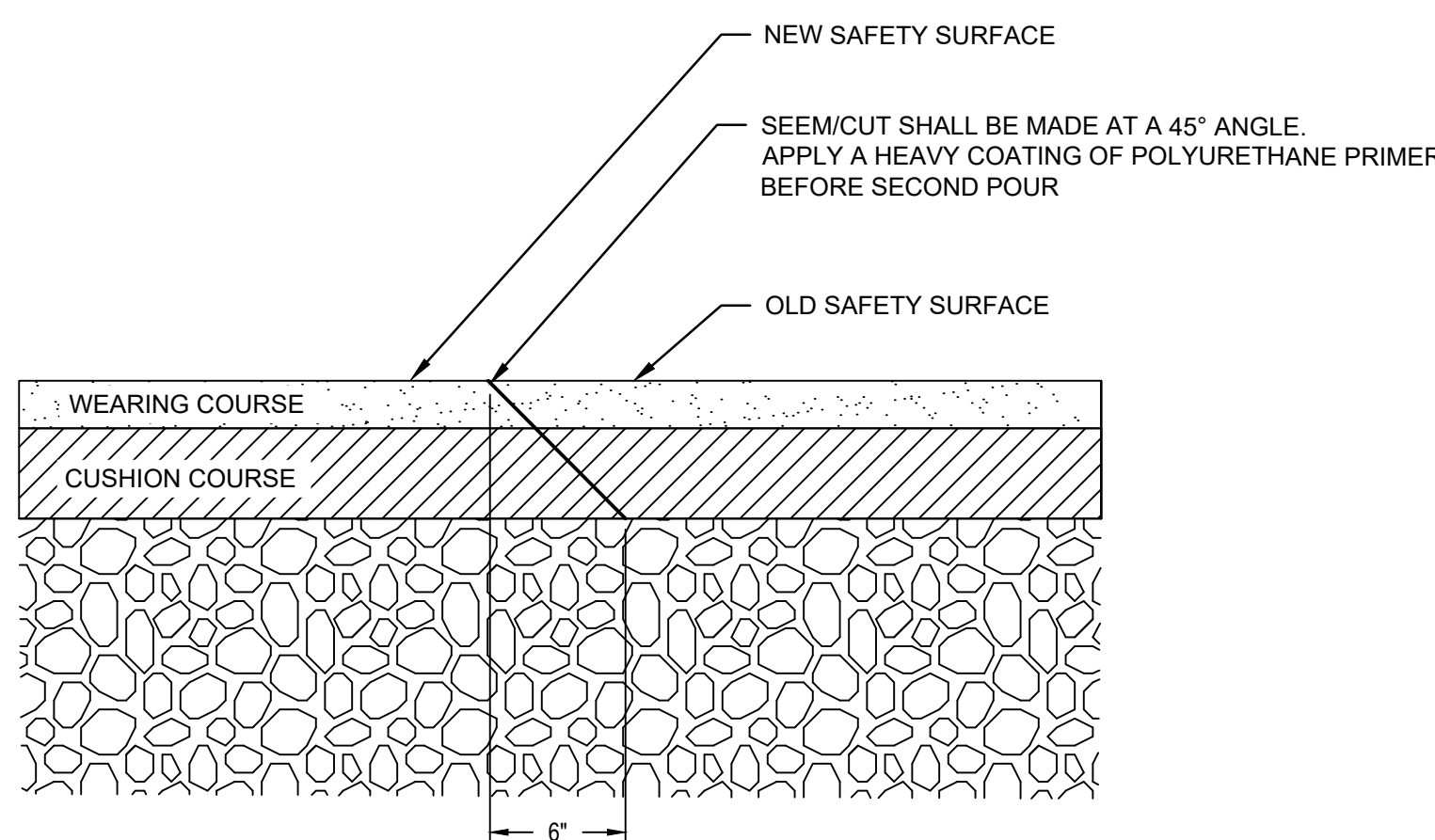
D3.0 TYPICAL

NTS



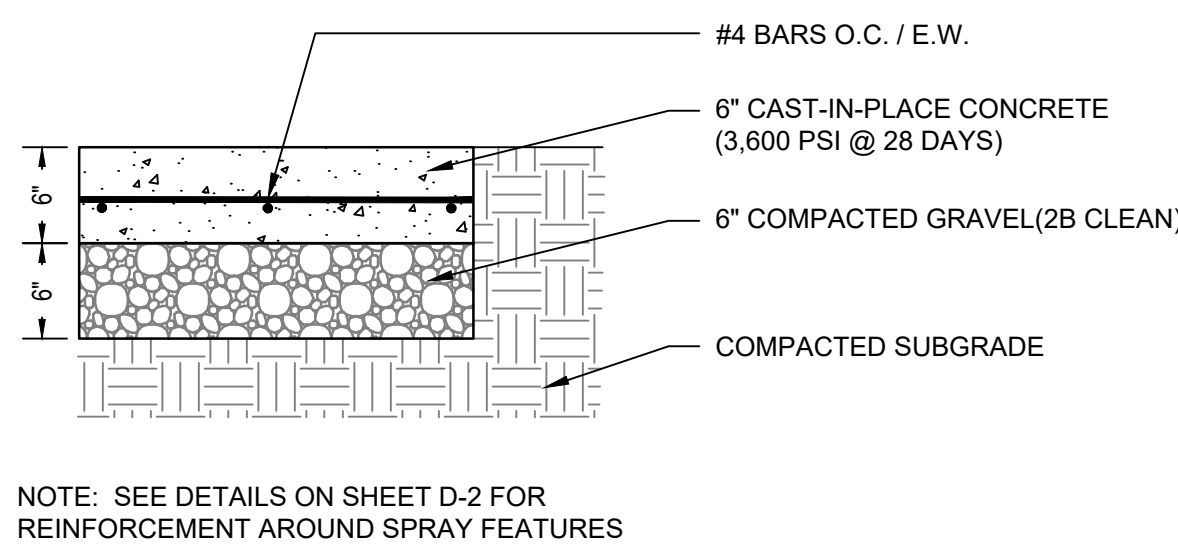
7 STEEL BENCH DETAIL

D-1.0 SCALE: NTS



8 NEW TO OLD SAFETY SURFACE CONNECTION

D-1.0 SCALE: NTS



9 SPRAYGROUND CONCRETE DETAIL

D-1.0 SCALE: NTS

REVISIONS

ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



PENNSYLVANIA ONE CALL SYSTEM, INC.

925 South Sun Road
West Mifflin, Pennsylvania
15122-1078



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NON-MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BURY OR GRIND!

PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH SEAL



KEVIN M. SELGER, RLA - PA LICENSE 002685

CIVIL ENG. SEAL

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CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01

PROJECT TITLE:

IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SITE CONSTRUCTION DETAILS

DPP PROJECT NO.: 16-14-4230-01

CONSULTANT PROJECT NO.: 2014-02041-07

DATE: 12/10/2018

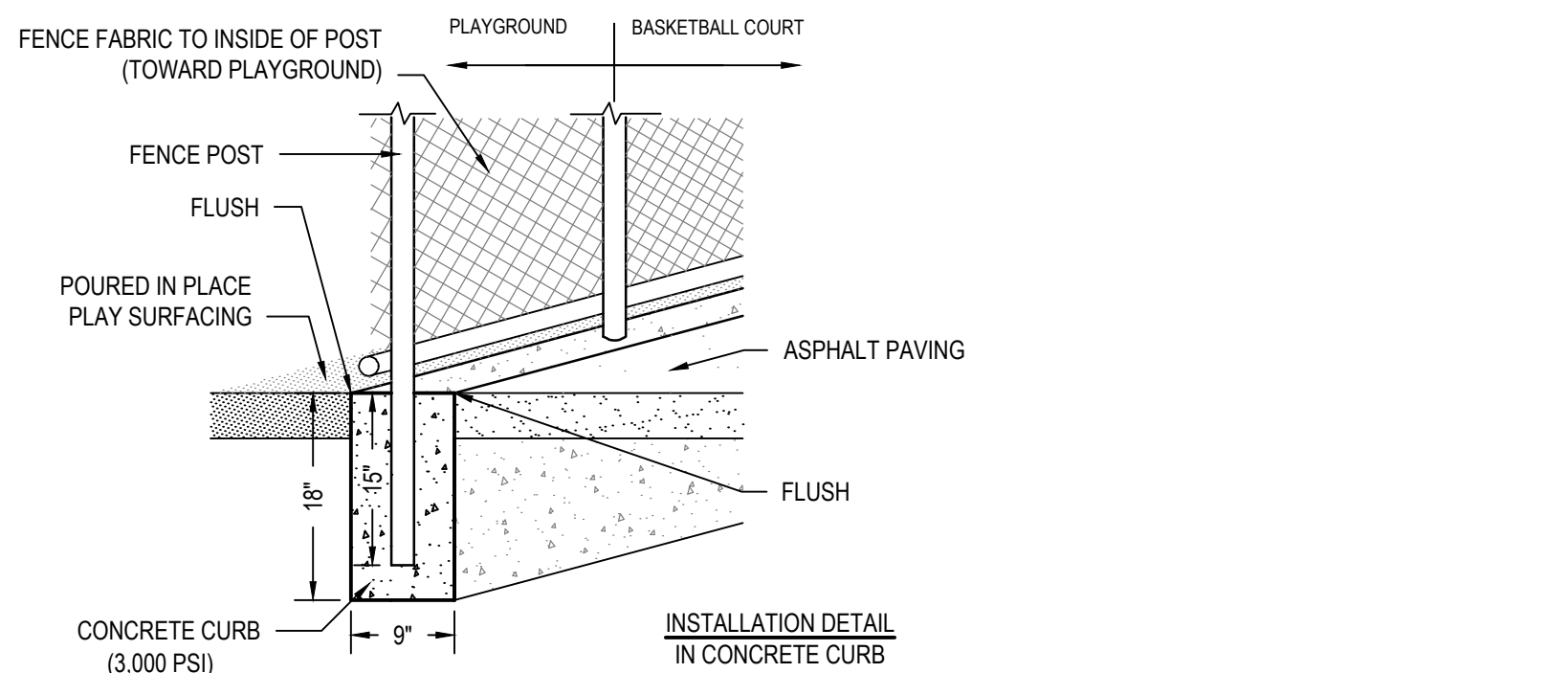
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DRAWN BY: MDS

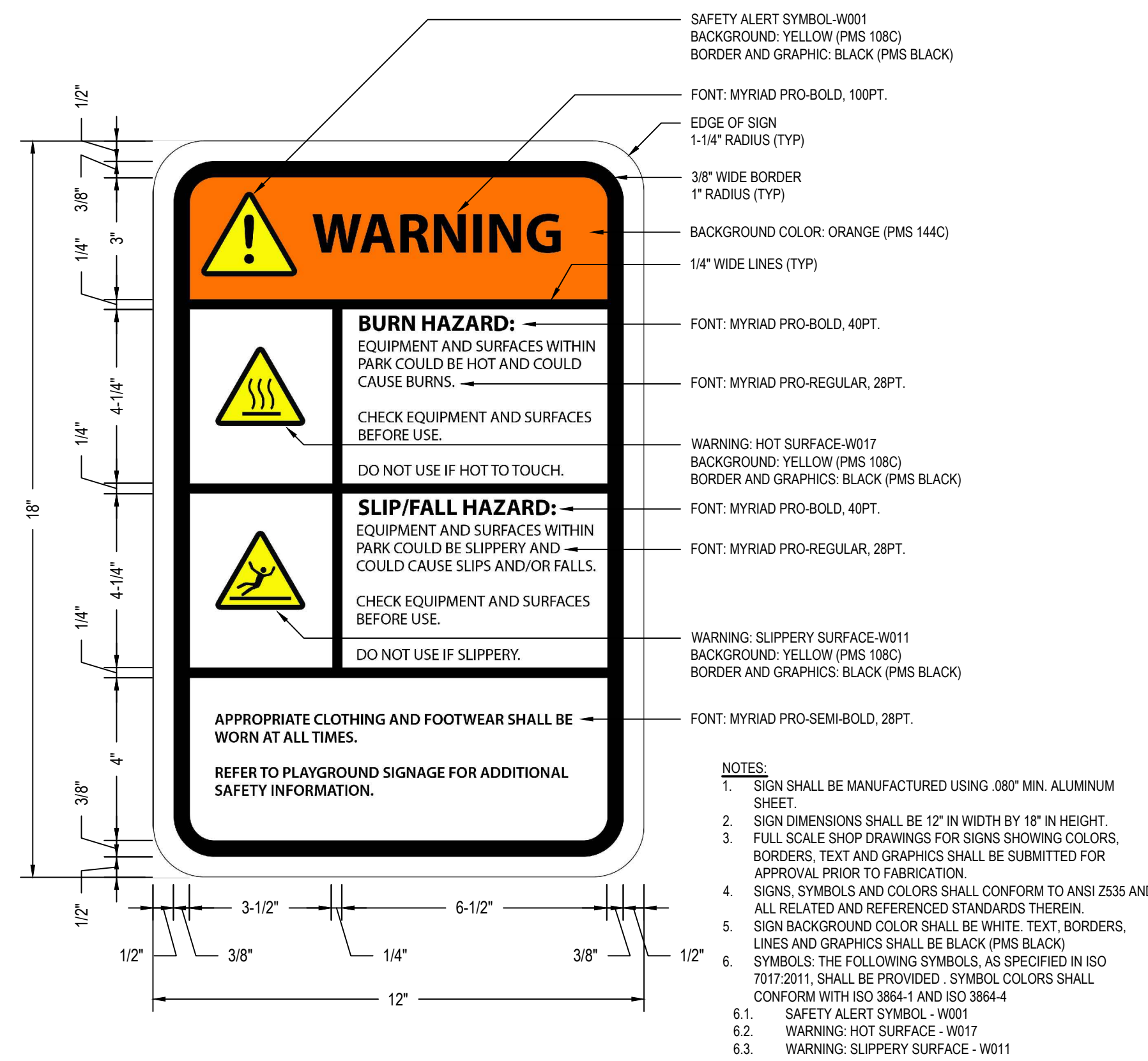
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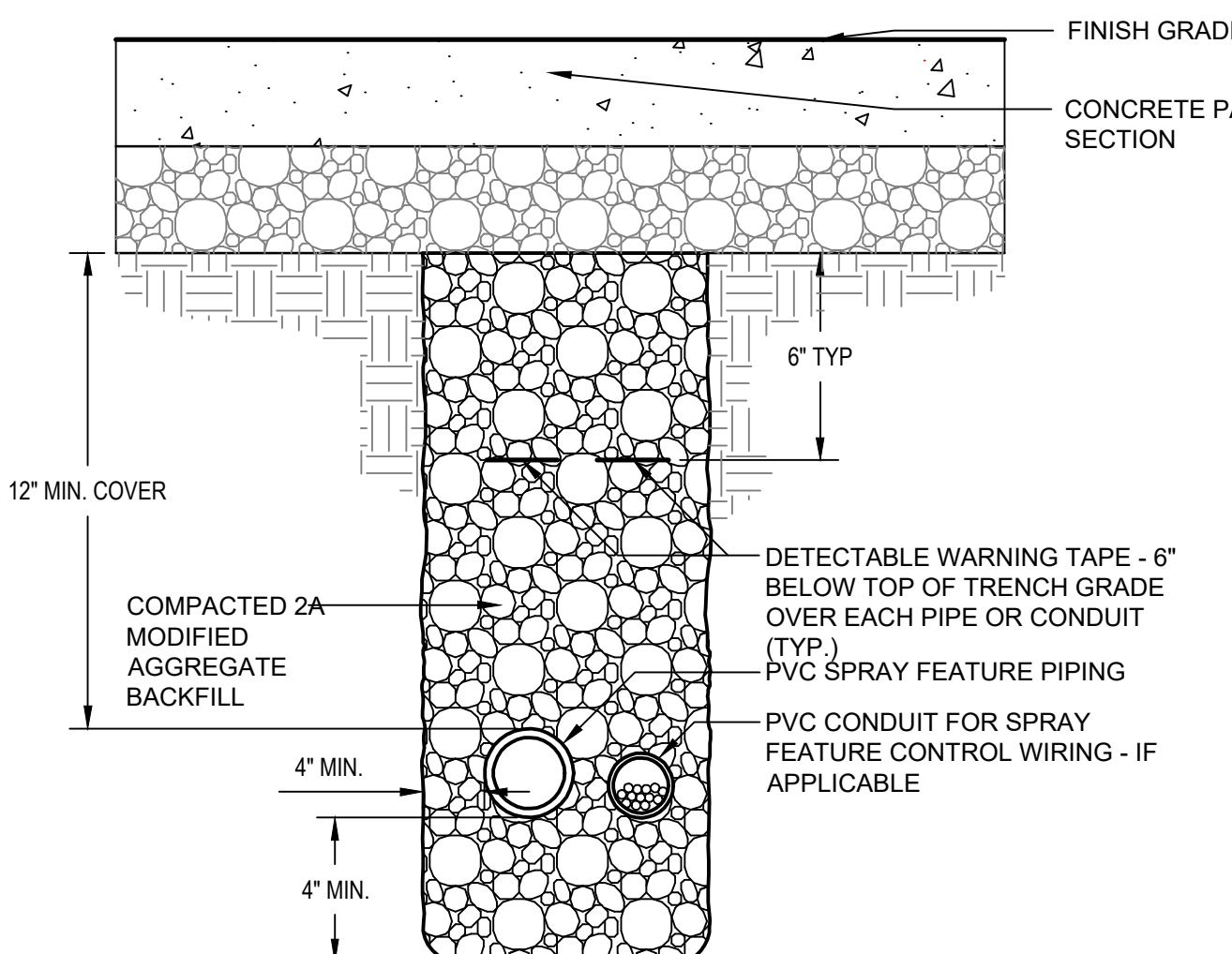
D-1.0



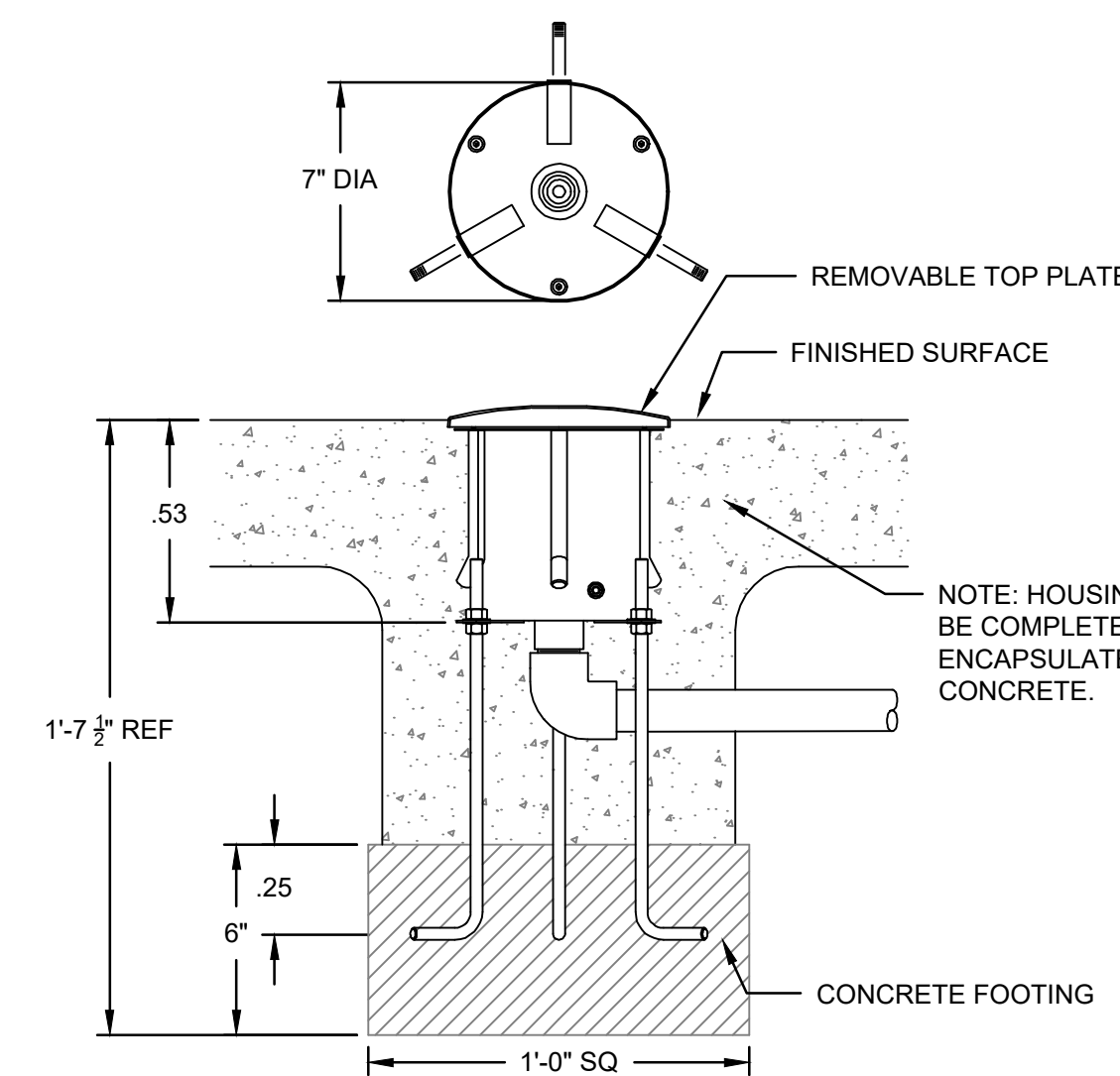
1 42" HEIGHT CHAIN LINK FENCE DETAIL
D-2.0 SCALE: NTS



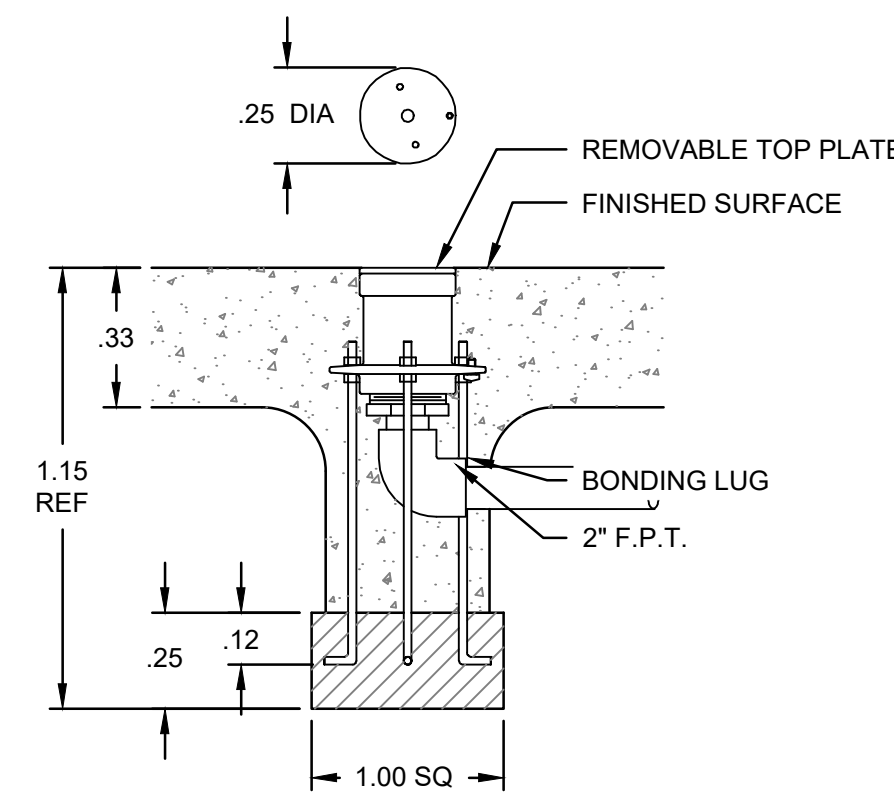
2 12" X 18" PLAYGROUND WARNING SIGN DETAIL
D-2.0 SCALE: NTS



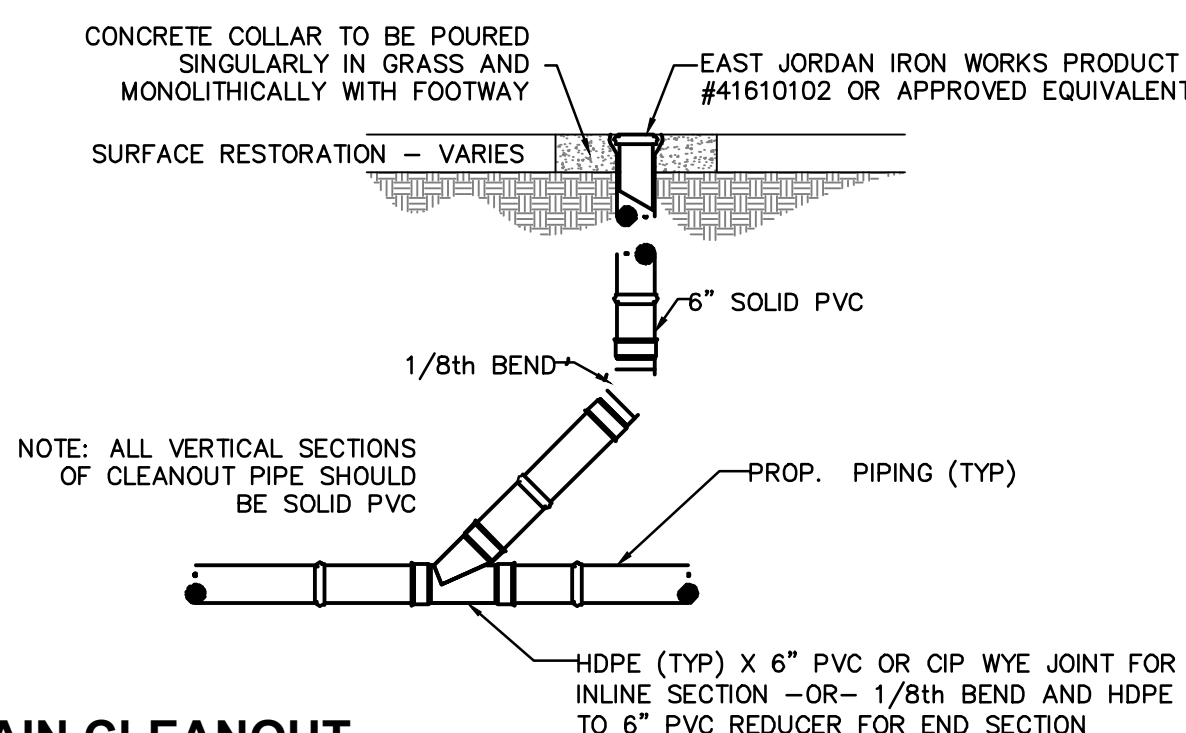
6 SPRAY FEATURE PIPING & CONDUIT TRANCHING DETAIL
D-2.0 SCALE: NTS



3 GROUND SPRAY INSTALL DETAIL (AQUA ARCH, JET WAY, SPLASHOLATOR)
D-2.0 SCALE: NTS



4 GROUND SPRAY INSTALL DETAIL (MISTEE JET)
D-2.0 SCALE: NTS



7 DRAIN CLEANOUT
D-2.0 SCALE: NTS

SPECIFICATIONS AQUA ARCH

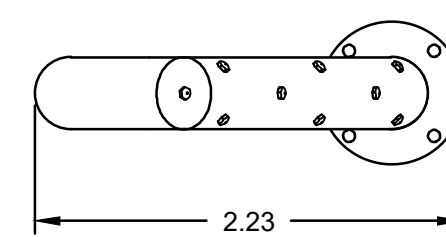
Model Number: W006
Interactive Water Effect: Shall be an arching solid stream effect with 360° directional adjustability.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three 1/2" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass.

JET WAY

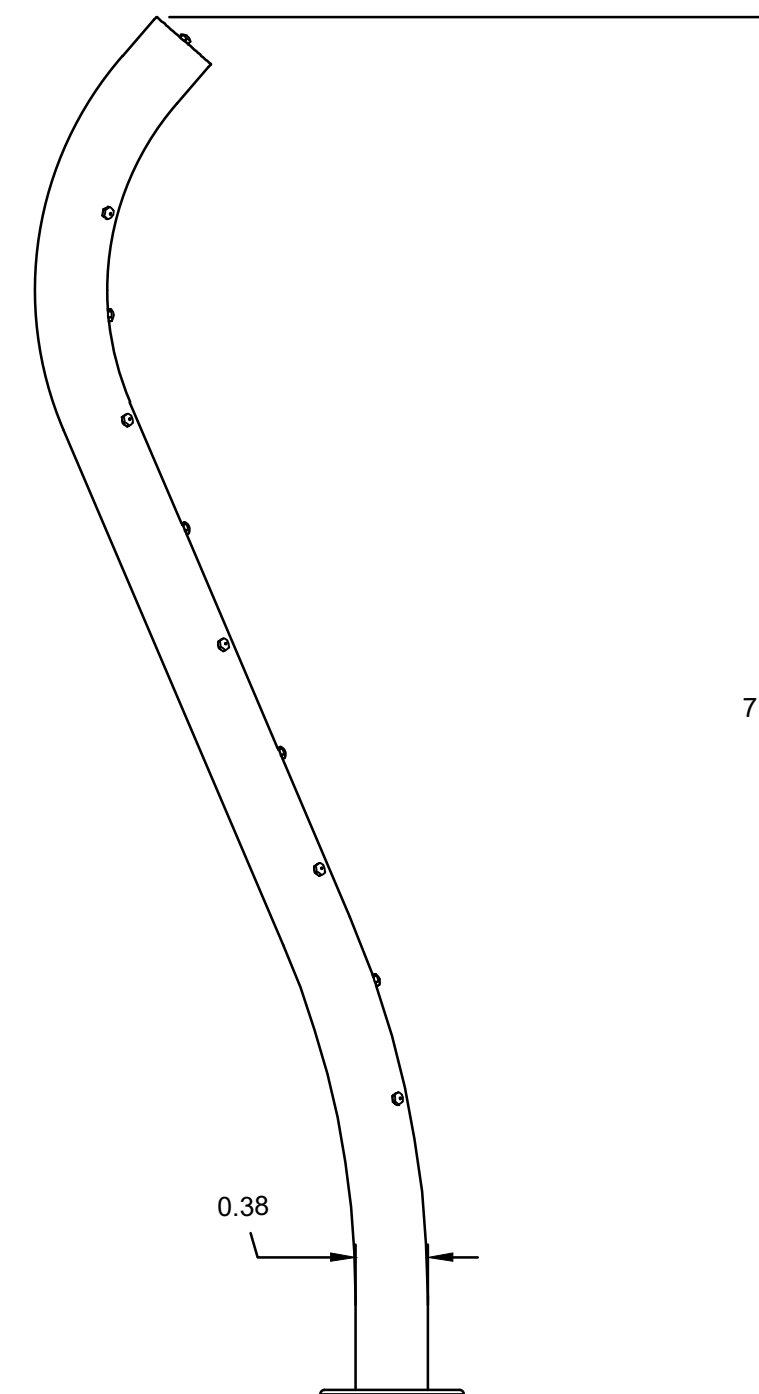
Model Number: W011
Interactive Water Effect: Shall be a vertical aerated stream of water.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three 1/2" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass.

SPLASH-O-LATOR

Model Number: W085
Interactive Water Effect: Shall be a surging splash effect.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three 1/2" x 5" machined brass with 30° hook bend.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass.



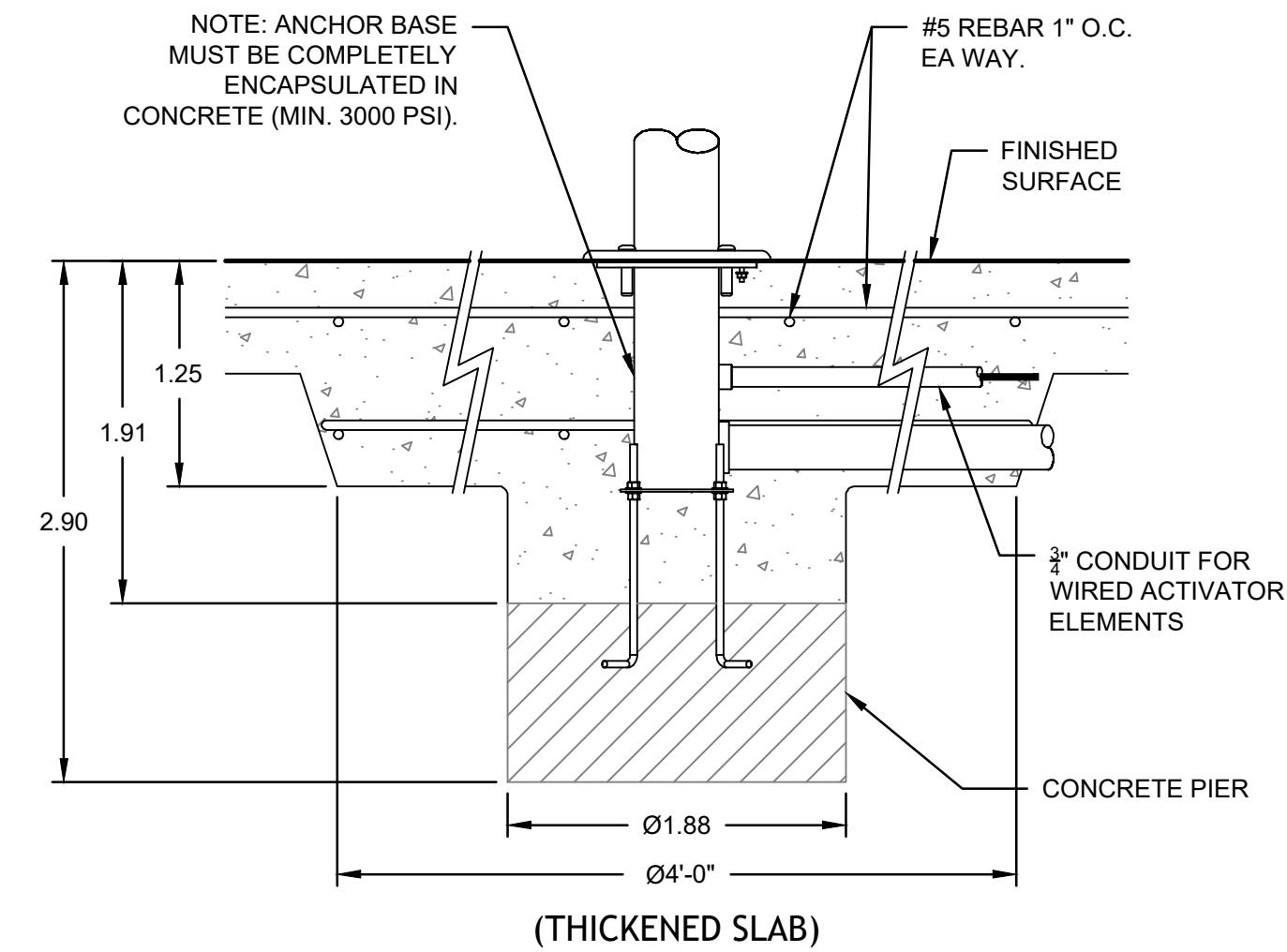
PLAN



SECTION

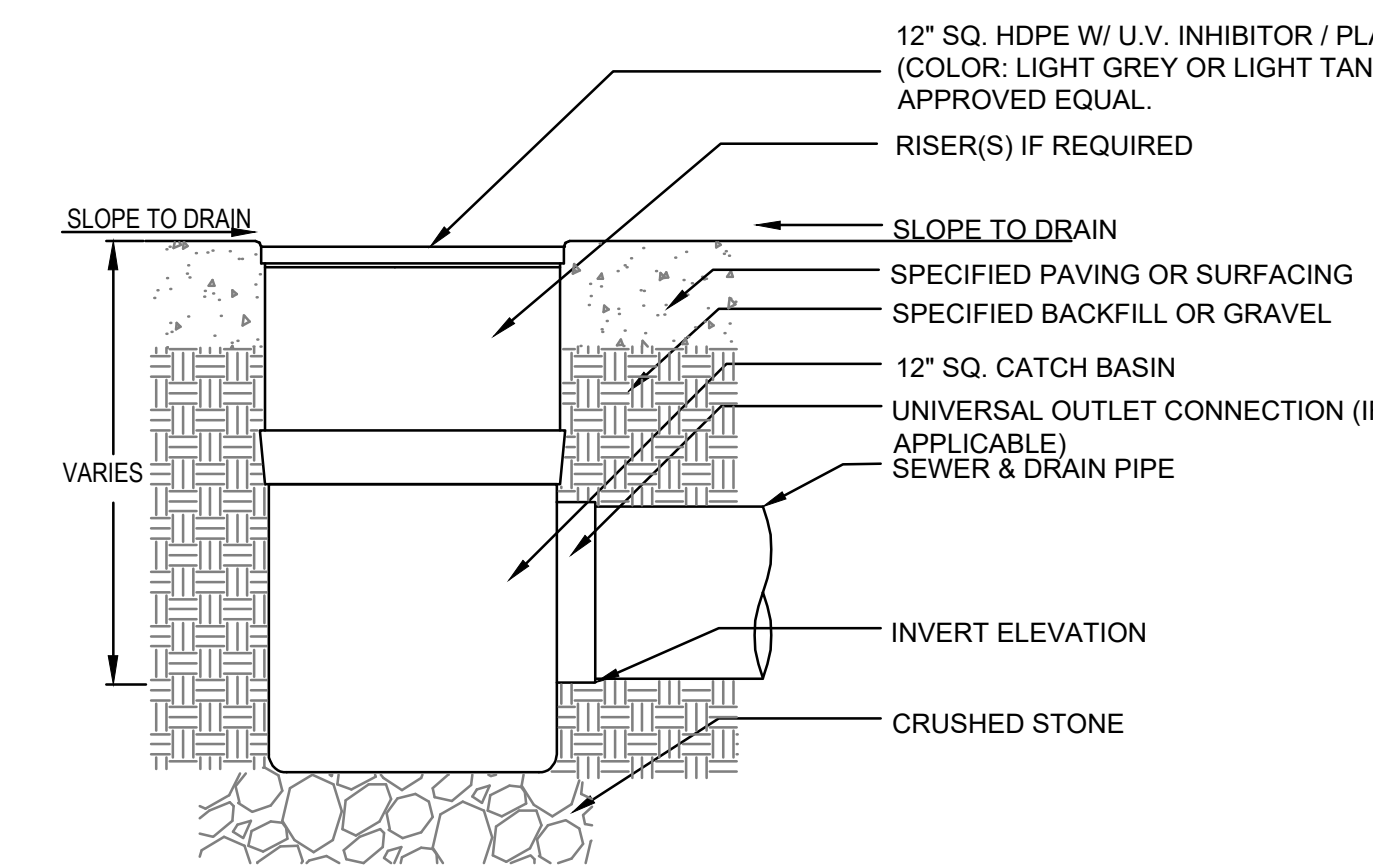
Specifications

Model Number: W326-1
Interactive Water Effect: Shall be a misting nozzle effect.
Shaft: 4" type 304 stainless steel pipe with a double bend and machined type 304 base plate.
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 3/4" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)
Nozzles: (2) Machined cast bronze and brass.



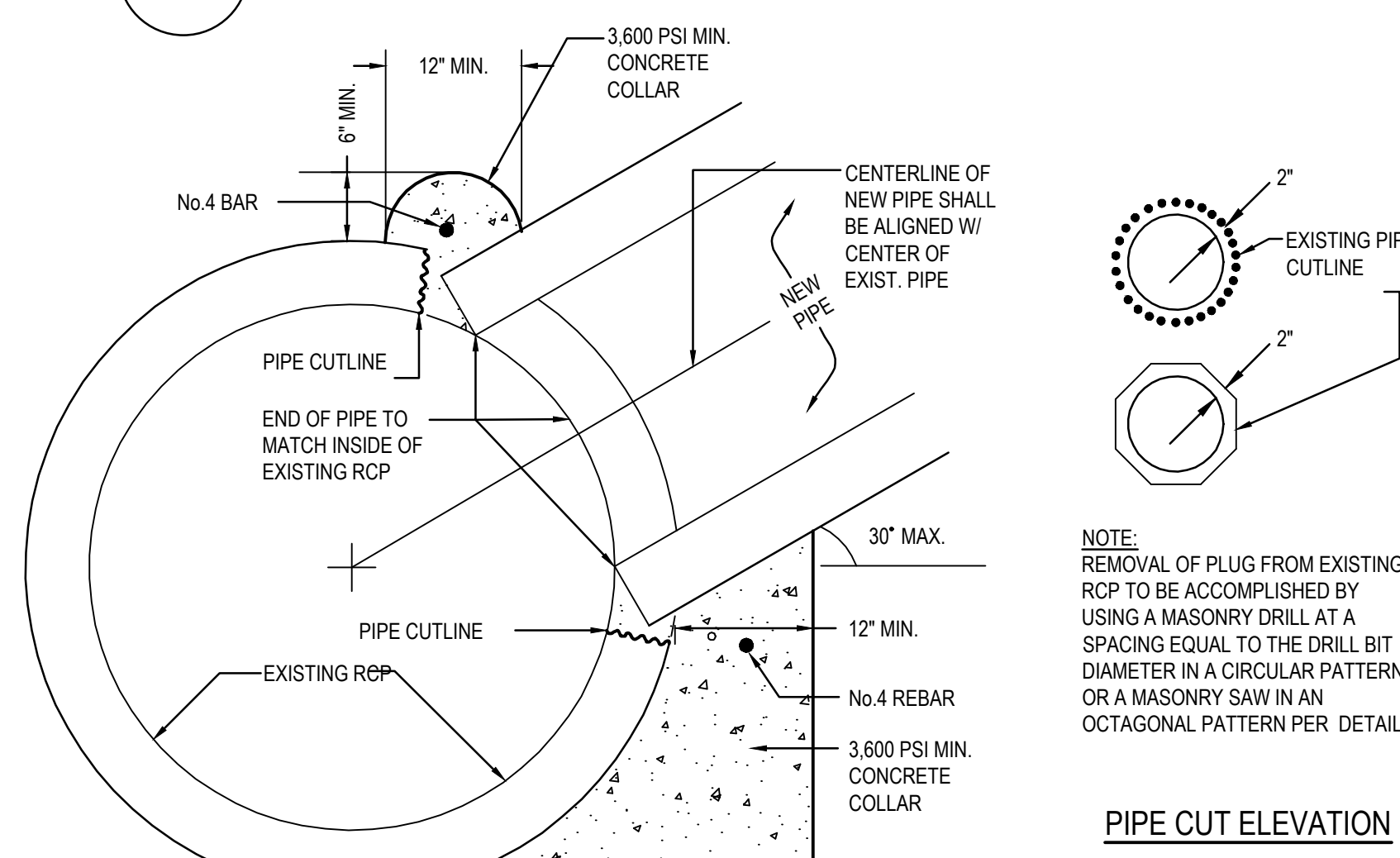
ANCHOR BASE

5 POST SPRAY FEATURE INSTALL DETAIL (MISSION HILL MISTER)



NOTES:
1. AREA DRAINS SHALL BE SQUARE CATCH BASIN LINE MANUFACTURED BY NDS DRAINAGE, INC. (www.ndspro.com); OR DRAIN-TECH CATCH BASIN LINE MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. (www.ads-pipe.com); OR APPROVED EQUAL.
2. PROVIDE RISERS AS REQUIRED TO MEET INVERT ELEVATIONS INDICATED ON THE PLAN.
3. GRATES SHALL BE SECURED TO CATCH BASIN BODY UTILIZING MANUFACTURER'S APPROVED STAINLESS STEEL SCREWS.
4. IF CONNECTIONS IN OR OUT ARE TO CAST/DUCTILE IRON PIPE, PROVIDE APPROPRIATE COUPLING BETWEEN AREA DRAIN AND PIPING.
5. CONTRACTOR SHALL INCLUDE ALL ACCESSORIES REQUIRED TO MAKE CONNECTIONS BETWEEN PIPING AND AREA DRAIN/CATCH BASIN BOXES.

8 PIPE TRENCH AND BEDDING DETAIL



9 STORM DRAIN PIPE CONNECTION TO EXISTING RCP DETAIL

REVISIONS		
ISSUE	DATE	REVISIONS
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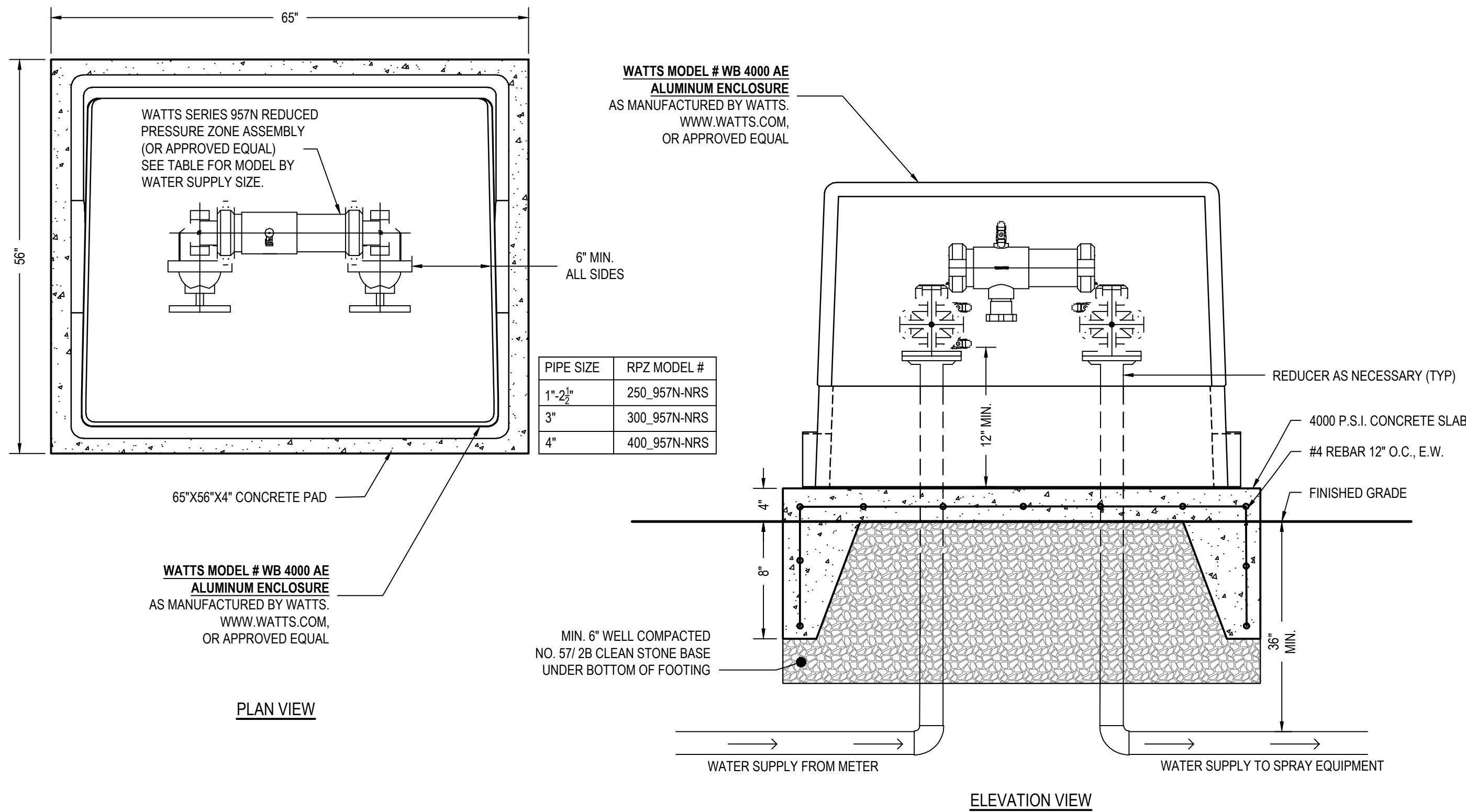
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
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11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA
DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SITE CONSTRUCTION DETAILS

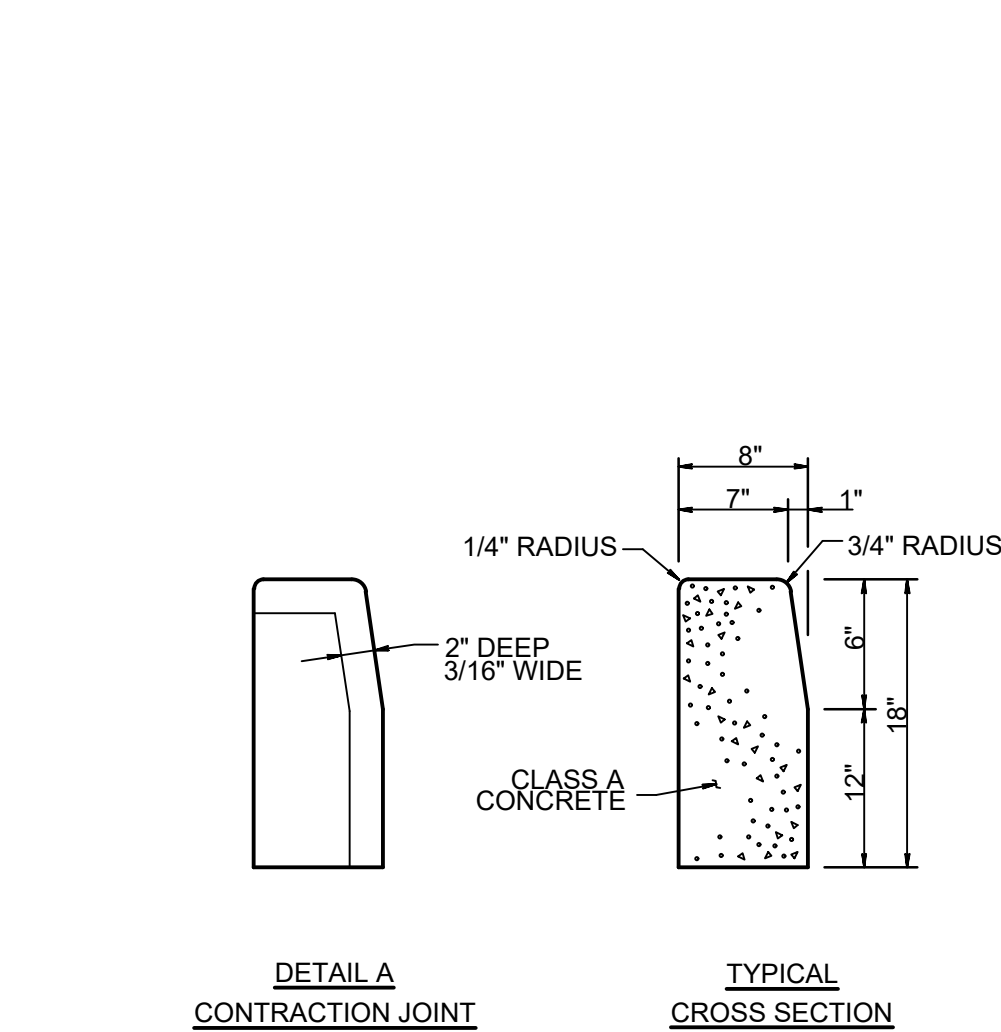
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CONSULTANT PROJECT NO.:	2014-02041-07		
DATE:	12/10/2018		
SCALE:	AS NOTED		
DRAWN BY:	MDS		
CHECKED BY:	KMS		
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D-2.0

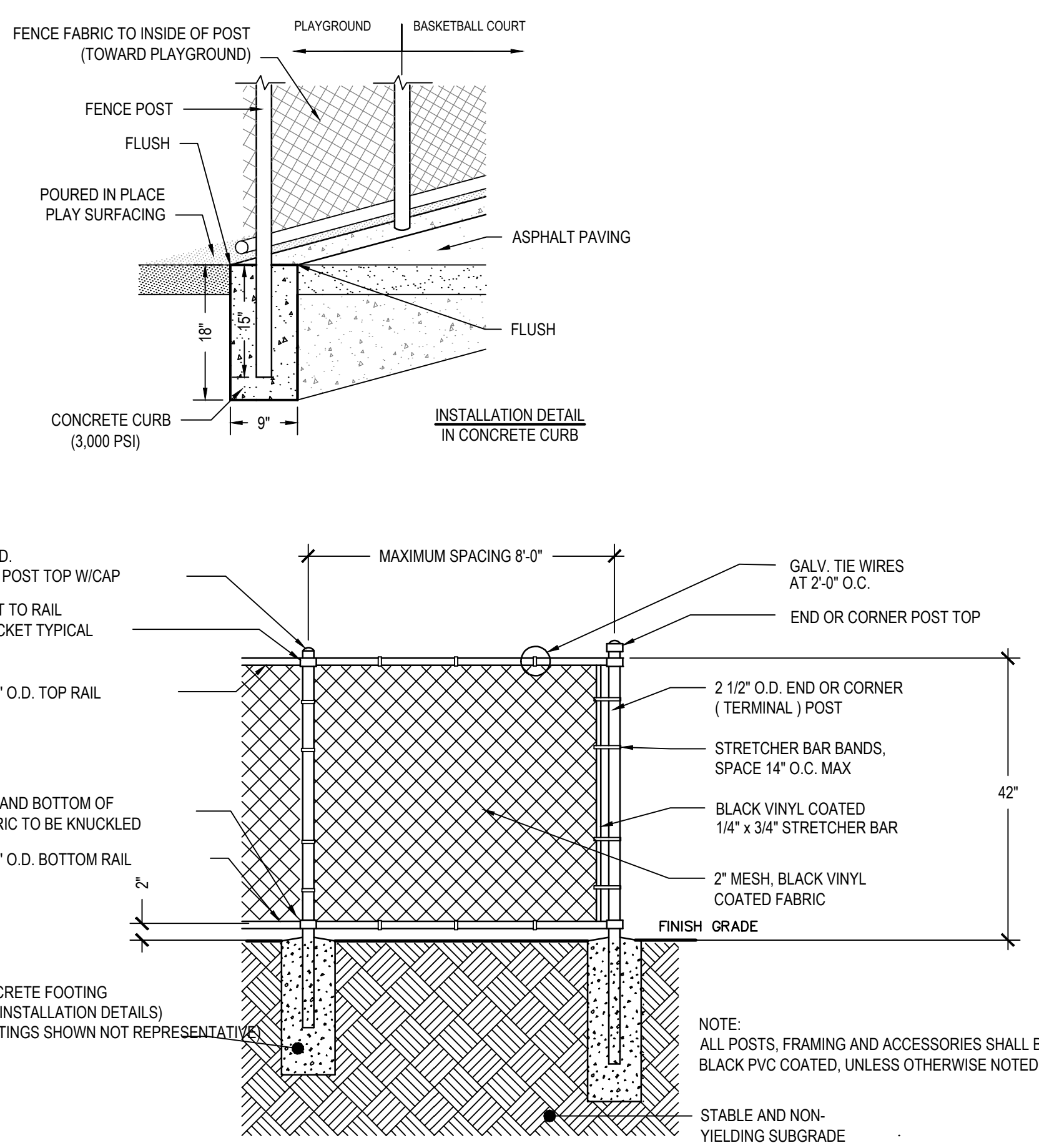
- NOTES:
- REFER TO ELECTRICAL PLANS
 - ALL INSTALLATIONS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS.
 - HEAT IS PROVIDED BY A 1000 WATT, 120V SINGLE PHASE HEATER.
 - HEATER SHALL BE SIZED TO MAINTAIN EQUIPMENT AT +40°F, IN ACCORDANCE WITH N.F.P.A. 93.1.8 & 3.5.1.3.2
 - HEAT SOURCE SHALL BE MOUNTED A MINIMUM OF 7" ABOVE THE SLAB UNLESS IT IS UL OR ETL CERTIFIED AND NEC APPROVED FOR SUBMERSION.
 - POWER SOURCE SHALL BE INSTALLED INSIDE THE ENCLOSURE BY OTHERS, PROTECTED WITH A GROUND FAULT INTERRUPTING RECEPTACLE (GFI) OR GFI CIRCUIT.
 - FOUR INTERNAL BRACKETS AND CONCRETE ANCHORS ARE SUPPLIED WITH THE ENCLOSURE.
 - ENCLOSURE SHALL BE PROVIDED IN ALUMINUM.
 - ALL CONNECTIONS, JOINTS, ETC. SHALL MEET THE REQUIREMENTS OF THE PHILADELPHIA WATER DEPARTMENT AND PHILADELPHIA PLUMBING CODE.
 - PROVIDE SUPPORT OF ELEVATED PIPING AS REQUIRED.



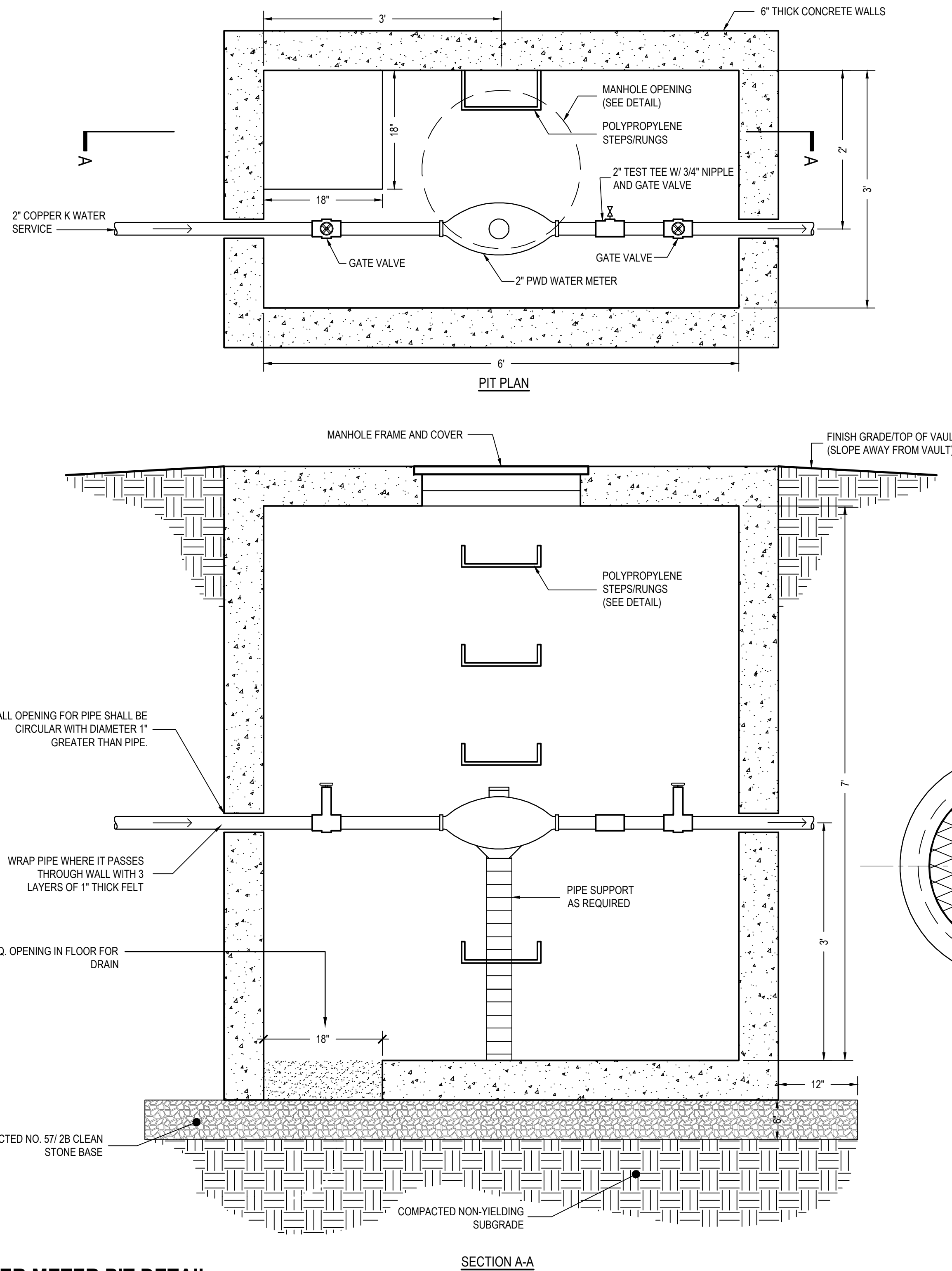
1 REDUCED PRESSURE ZONE ASSEMBLY IN HOT BOX DETAIL
D-3.0 SCALE: NTS



3 STANDARD CONCRETE CURB DETAIL
D-3.0 TYPICAL

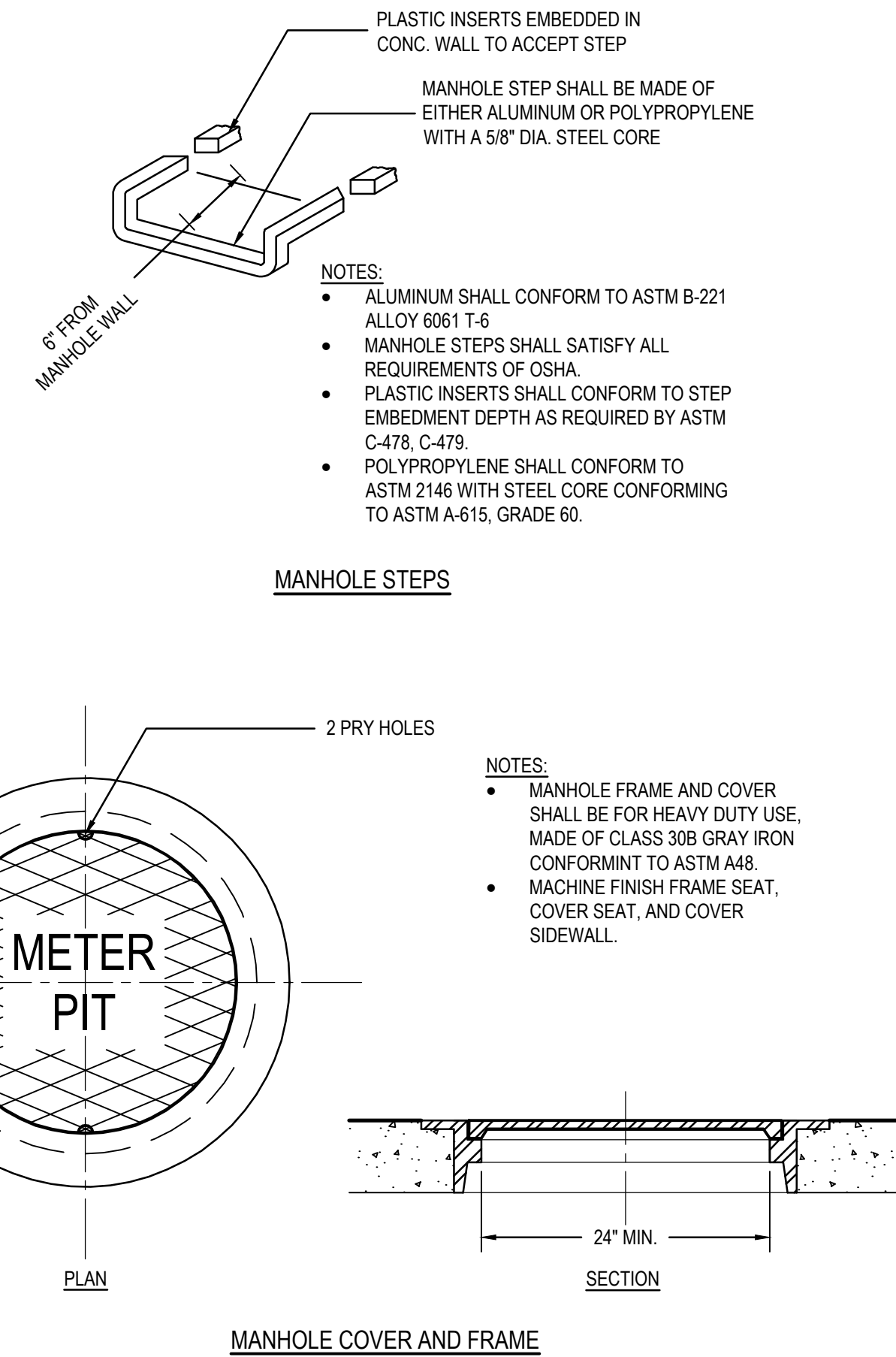


4 42" HEIGHT CHAIN LINK FENCE DETAIL
D-3.0 SCALE: NTS

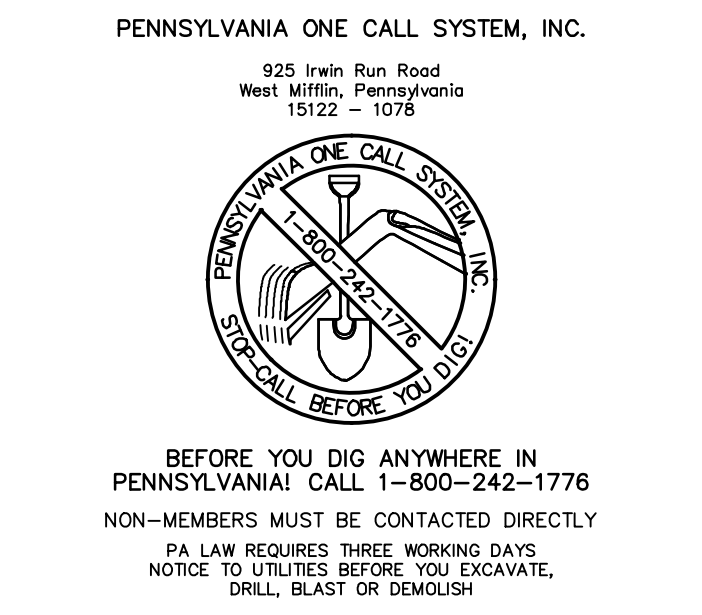
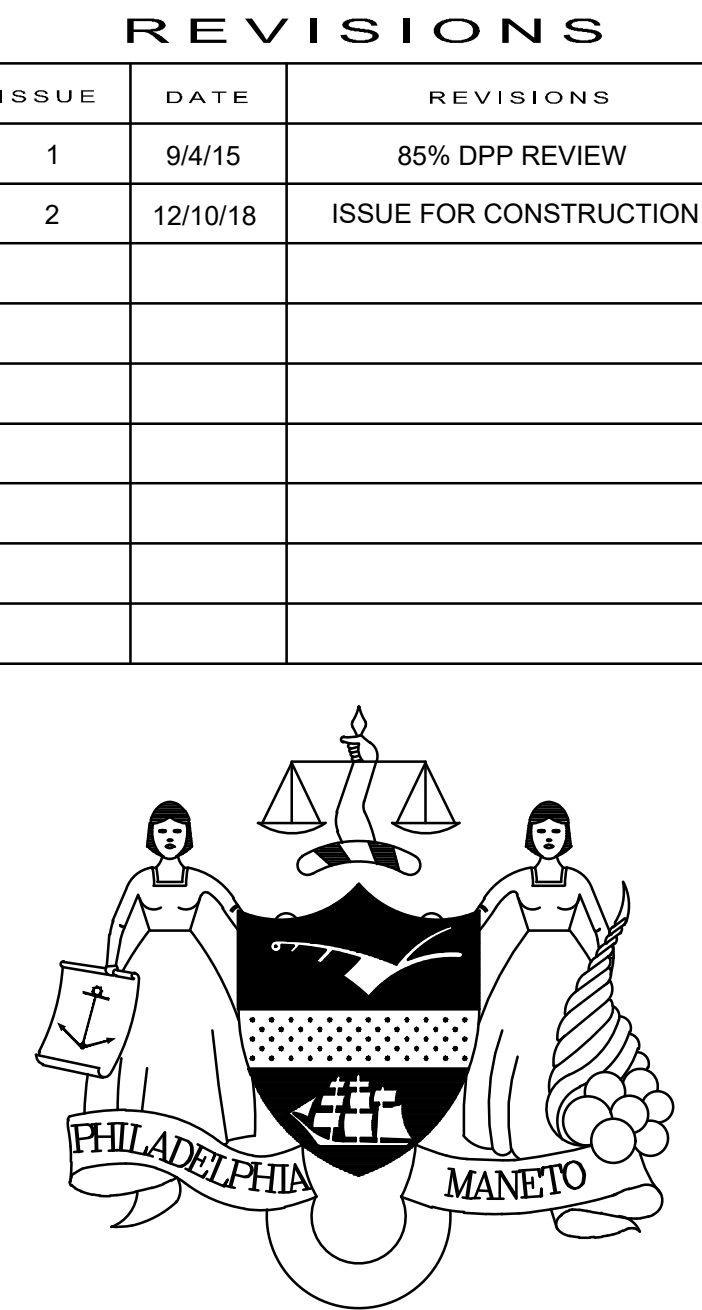


2 2" WATER METER PIT DETAIL
D-3.0 SCALE: NTS

- NOTES/SPECIFICATIONS:
- THE METER PIT SHALL BE PRECAST CONCRETE BOX STRUCTURE. CONCRETE SHALL OBTAIN A STRENGTH OF 4000 PSI IN 28 DAYS. REINFORCING STEEL HAS A YIELD STRENGTH OF 60,000 PSI. THE PRECAST STRUCTURE SHALL MEET ASTM C-913, "PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES."
 - ALL PIPE OR CONDUIT PENETRATIONS SHALL BE GROUTED SOLID WITH NON-SHRINK GROUT, UNLESS OTHERWISE NOTED.
 - ALL CONNECTIONS, JOINTS, ETC. SHALL MEET THE REQUIREMENTS OF THE PHILADELPHIA WATER DEPARTMENT AND PHILADELPHIA PLUMBING CODE.
 - PROVIDE SUPPORT OF ELEVATED PIPING AS REQUIRED.
 - CONTRACTOR SHALL VERIFY ELEVATION AND DEPTHS OF THE PIT AND LINES WILL PROVIDE POSITIVE DRAINAGE TO PIT.
 - CONTRACTOR SHALL KEEP DRAINAGE GRAVEL BELOW PIT FROM BEING CONTAMINATED WITH FINE MATERIALS AND SOIL.
 - CONTRACTOR SHALL MEET PHILADELPHIA WATER DEPARTMENT REQUIREMENTS FOR ALL WATER SERVICE CONNECTION(S) TO EXISTING CITY WATER SERVICE TO RECREATION CENTER.
 - DIMENSIONS PROVIDED ARE APPROXIMATE AND SHALL BE VERIFIED IN FIELD.

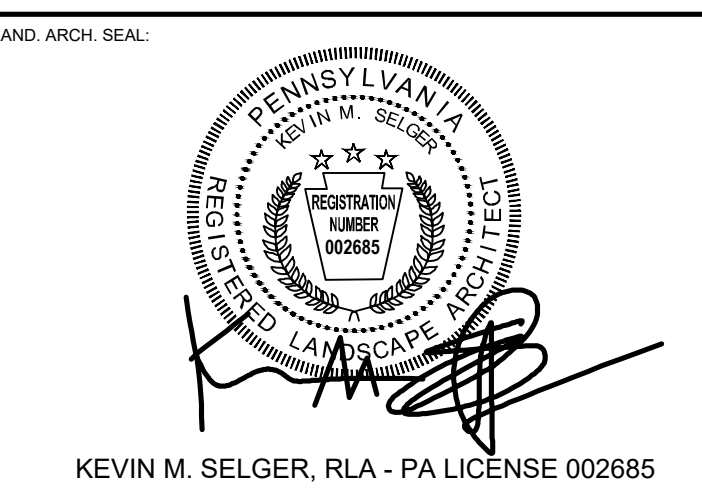


6 CURB TO SPRAYGROUND DETAIL
D-3.0 SCALE: NTS



PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA



CIVIL ENG. SEAL

DESIGN CONSULTANT:
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CITY OF PHILADELPHIA
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PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SITE CONSTRUCTION DETAILS

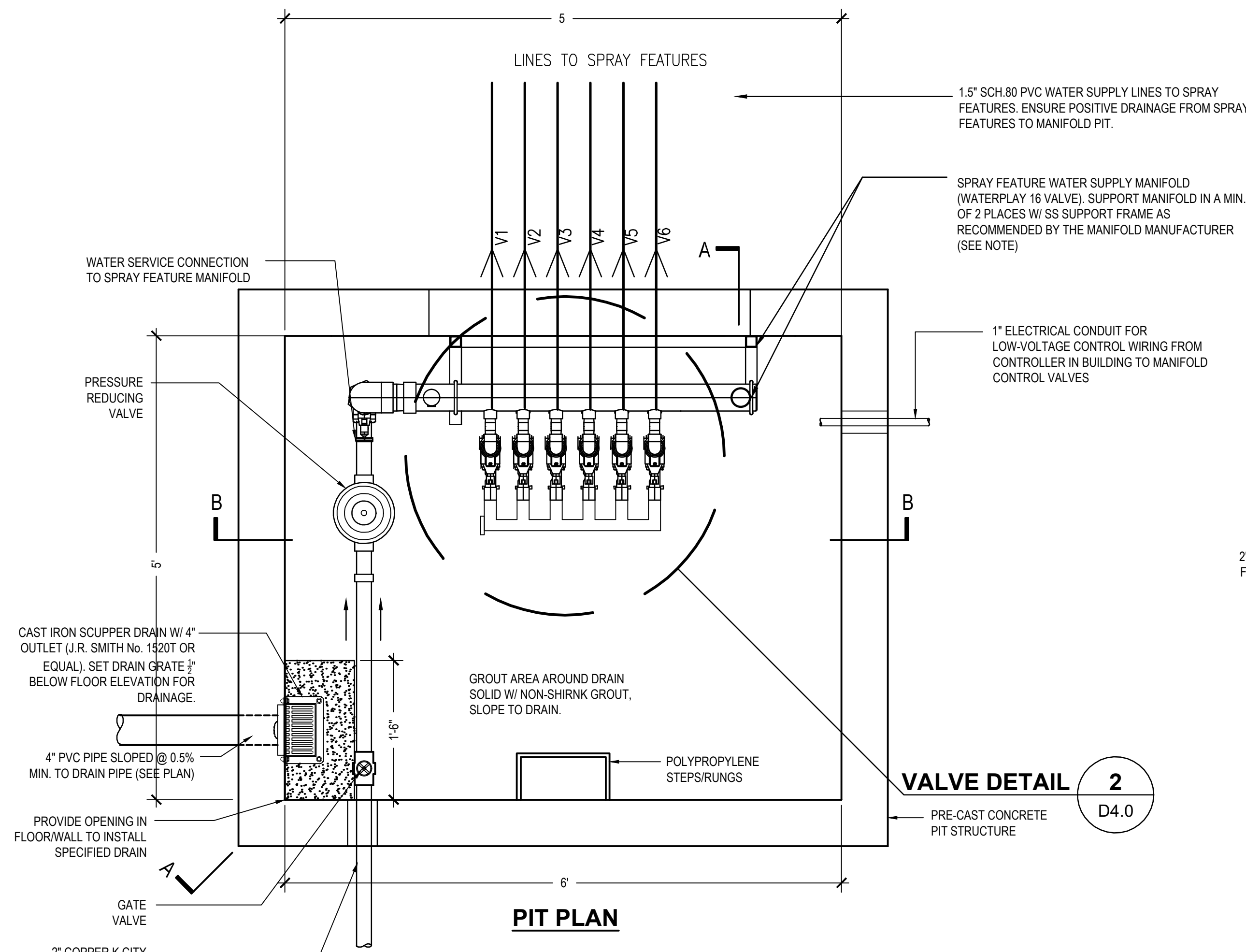
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SCALE: AS NOTED
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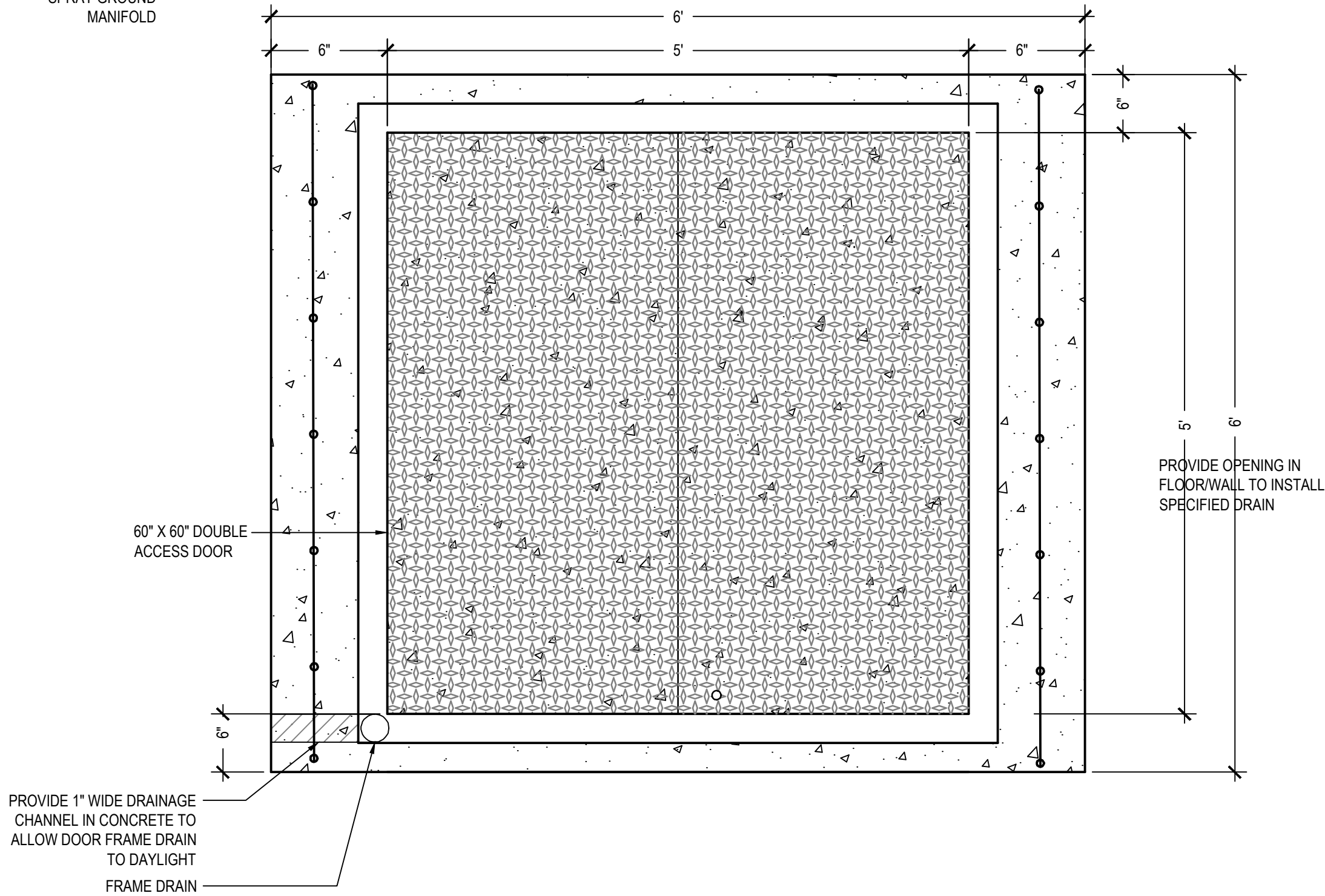
D-3.0

1 SPRAY GROUND MANFOLD PIT DETAIL

SCALE: NTS



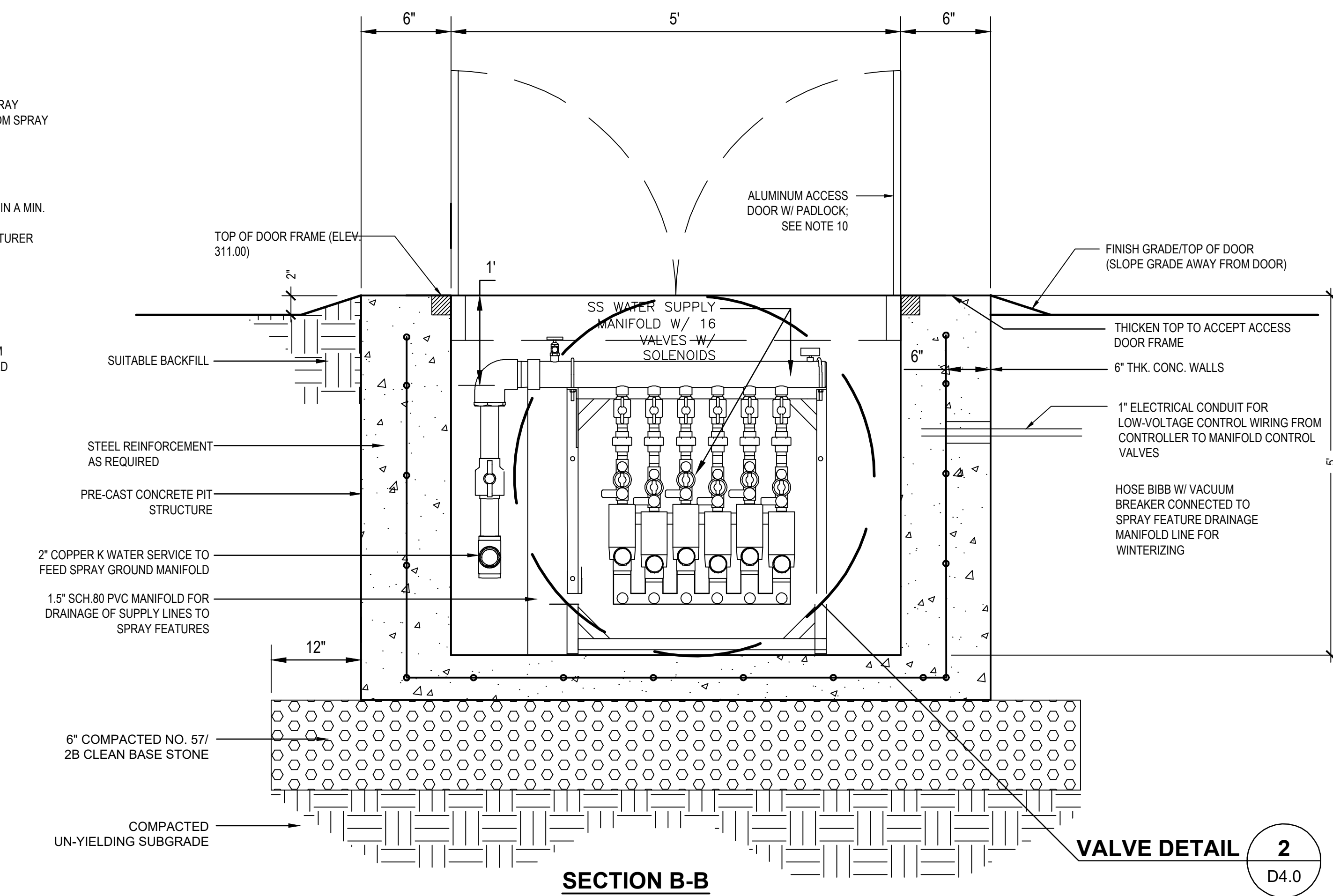
VALVE DETAIL 2 D4.0



SLAB TOP AND DOOR PLAN

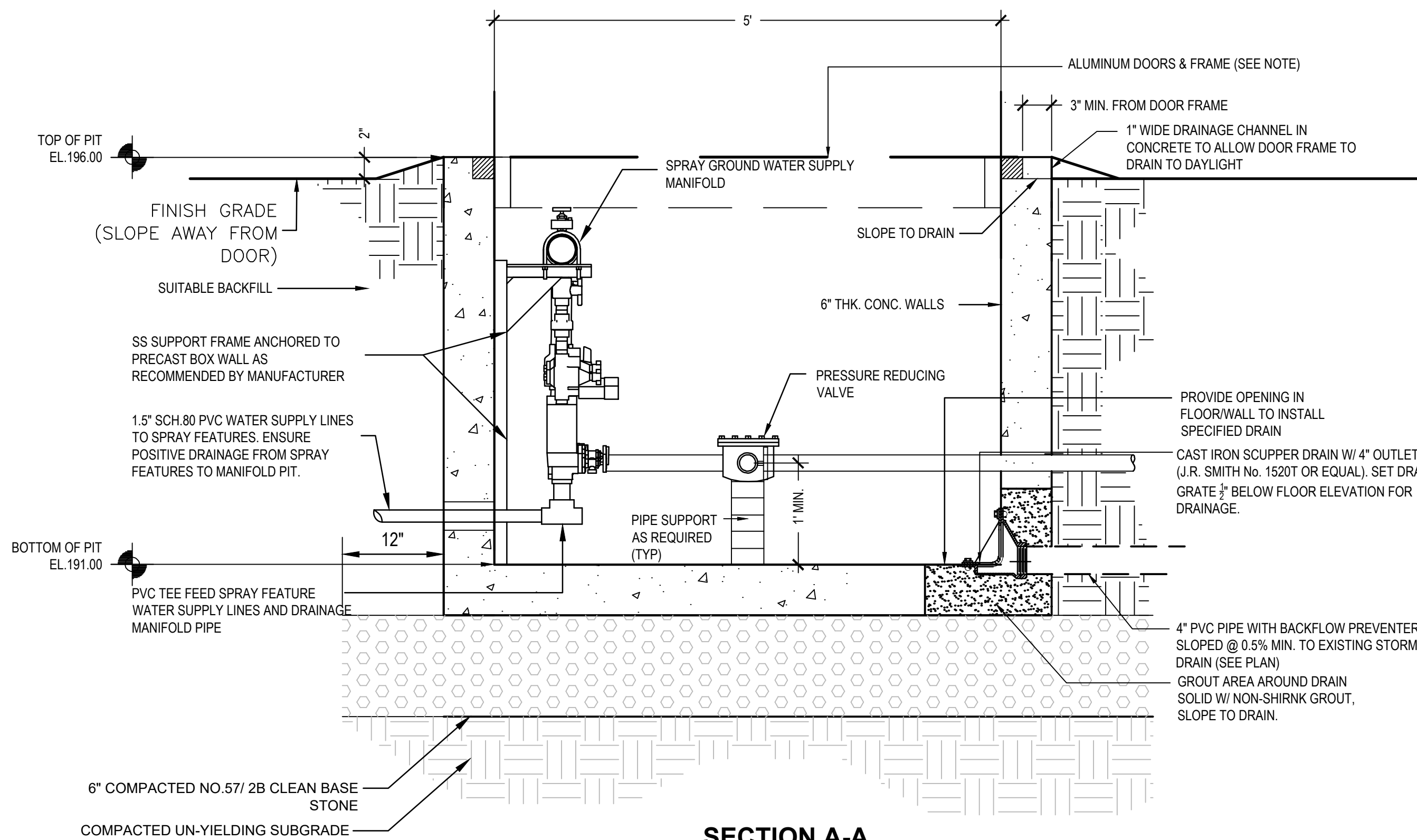
NOTES/SPECIFICATIONS:

1. THE MANFOLD PIT SHALL BE PRECAST CONCRETE BOX STRUCTURE. CONCRETE SHALL CONTAIN A STRENGTH OF 4000 PSI IN 28 DAYS. REINFORCING STEEL HAS A YIELD STRENGTH OF 60,000 PSI. THE PRECAST STRUCTURE SHALL MEET ASTM C-913, "PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES."
2. PRECAST CONCRETE BOX SHALL BE CAST TO ACCOMMODATE SPECIFIED DOUBLE DOOR.
3. ALL PIPE OR CONDUIT PENETRATIONS SHALL BE GROUTED SOLID WITH NON-SHRINK GROUT.
4. BACKFLOW PREVENTOR SHALL BE 2-INCH WATTS REGULATOR COMPANY - MODEL NO. LF007M1QT-S W/ STRAINER OR APPROVED EQUAL.
5. ALL CONNECTIONS, JOINTS, ETC. SHALL MEET THE REQUIREMENTS OF THE PHILADELPHIA WATER DEPARTMENT AND PHILADELPHIA PLUMBING CODE.
6. MANIFOLD SHALL BE 18-VALVE STAINLESS STEEL MODEL BY WATERPLAY OR APPROVED EQUAL.
7. PROVIDE SUPPORT OF ELEVATED PIPING AS REQUIRED.
8. WATER SUPPLY PIPING AND FITTINGS TO SPRAY FEATURES SHALL BE SCH 80 PVC.
9. CONTRACTOR SHALL PROVIDE A MANIFOLD AND VALVE/HOSE BIBB W/ VACUUM BREAKER TO ALLOW FOR DRAINAGE OF SPRAY FEATURES AND WATER SUPPLY PIPING FOR WINTERIZATION.
10. CONTRACTOR SHALL VERIFY ELEVATION AND DEPTHS OF THE PIT AND LINES WILL PROVIDE POSITIVE DRAINAGE TO PIT.
11. CONTRACTOR SHALL KEEP DRAINAGE GRAVEL BELOW PIT FROM BEING CONTAMINATED WITH FINE MATERIALS AND SOIL.
12. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS OF THE SPRAY GROUND SYSTEM, INCLUDING BUT NOT LIMITED TO: SPRAY COMPONENTS, WATER SUPPLY PIPING, ELECTRICAL CONDUIT AND WIRING, CONTROLLER, POWER SUPPLY, VALVES, MANIFOLDS, BACKFLOW PREVENTORS, WATER METER, ETC. FOR PROPER FUNCTION OF THE SPRAY GROUND SYSTEM.
13. WATER SUPPLY LINES FROM SPRAY COMPONENTS SHALL HAVE POSITIVE DRAINAGE TOWARD MANIFOLD VAULT, 1.00% MINIMUM FOR DRAINAGE AND WINTERIZING. CONTRACTOR TO PROVIDE DRAINAGE VALVE(S) IN MANIFOLD VAULT SO ALL SUPPLY LINES CAN BE DRAINED COMPLETELY FOR WINTER. CONTRACTOR SHALL VERIFY VAULT DEPTH FOR POSITIVE DRAINAGE.
14. WATER SERVICE FROM CITY WATER SHALL HAVE POSITIVE DRAINAGE, MINIMUM OF 1.00%, TOWARD MANIFOLD VAULT FOR DRAINAGE AND WINTERIZING.
15. CONTRACTOR SHALL MEET PHILADELPHIA WATER DEPARTMENT REQUIREMENTS FOR SPRAY GROUND WATER SERVICE CONNECTION TO EXISTING CITY WATER SERVICE TO RECREATION CENTER.
16. CONTRACTOR SHALL VERIFY SITE WATER PRESSURE PRIOR TO COMMENCING WORK. PREVIOUS MEASUREMENTS INDICATE SITE PRESSURE IS AT APPROXIMATELY 80-100 PSI. NOTIFY PROJECT COORDINATOR AND DESIGN PROFESSIONAL IF DEVIATIONS EXCEED PLUS OR MINUS 5 PSI.
17. WATER SUPPLY PRESSURE REQUIRED AT THE MANIFOLD IS 40 PSI (MIN.) TO 50 PSI (MAX.) FOR PROPER FUNCTIONING OF THE SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL A PRESSURE REGULATING DEVICE UPSTREAM OF THE MANIFOLD TO PROVIDE THE REQUIRED PRESSURE.
18. DIMENSIONS PROVIDED ARE APPROXIMATE AND SHALL BE VERIFIED IN FIELD.



SECTION B-B

VALVE DETAIL 2 D4.0



SECTION A-A

ACCESS DOOR AND PAINTING SPECIFICATIONS:

1. ACCESS DOORS BE BILCO MODEL NO. JD-4H20 - 60" X 60" DOUBLE LEAF STEEL ACCESS DOOR W/ A MINIMUM H-20 LOADING OR APPROVED EQUAL. ACCESS DOORS SHALL BE FINISHED WITH MANUFACTURER'S RED OXIDE PRIMER. SEE BELOW FOR ADDITIONAL FIELD PAINTING INFORMATION.
2. DOUBLE LEAF ACCESS DOOR TO BE LOCKABLE WITH A LATCH AND PAD LOCK CONFIGURATION. CONTRACTOR TO PROVIDE PAD LOCK MEETING RECREATION DEPARTMENT REQUIREMENTS - COORDINATE W/ DPP COORDINATOR.
3. EXTERIOR PORTIONS OF THE ACCESS DOORS AND FRAME SHALL BE FIELD PRIMED AND THEN PAINTED WITH EITHER OPTION 1 OR OPTION 2 AS DESCRIBED BELOW. WITH EITHER OPTION THE CONTRACTOR SHALL FOLLOW SPECIFICATION SECTION 09900 AND THE MANUFACTURER'S INSTRUCTIONS FOR THE INSTALLATION OF PRIMER AND PAINT COATINGS. CONTRACTOR SHALL INSTALL A MINIMUM OF (1) ONE COAT OF PRIMER AND A MINIMUM OF (3) COATS OF PAINT. PRIMER AND PAINT COLOR SHALL BE WHITE.
4. PRIMING AND PAINTING OPTIONS:

- 4.1. OPTION 1 - PRIME AND PAINT USING RUST-OLEUM (OR APPROVED EQUAL) AS SPECIFIED IN SECTION 09900 WITH A CERAMIC INSULATING PAINT ADDITIVE MIXED WITH THE PRIMER AND PAINT. CERAMIC INSULATING PRIMER/PAINT ADDITIVE SHALL BE MIXED FOLLOWING MANUFACTURER'S INSTRUCTIONS.

4.1.1. CERAMIC INSULATING PAINT ADDITIVE:

THERMACELS - INSULATING CERAMIC ADDITIVE FOR PAINT AS MANUFACTURED BY:

HY-TECH THERMAL SOLUTIONS
159 PARKHILL BLVD.
MELBOURNE, FL 32904
www.hytechsales.com
PHONE: (866) 649-8324
OR APPROVED EQUAL.

- 4.2. OPTION 2 - PRIME AND PAINT USING PRE-MIXED CERAMIC INSULATED PRIMER AND PAINT. CERAMIC INSULATING PRIMER/PAINT ADDITIVE SHALL BE MIXED FOLLOWING MANUFACTURER'S INSTRUCTIONS.

4.2.1. PRE-MIXED CERAMIC INSULATED PRIMER:

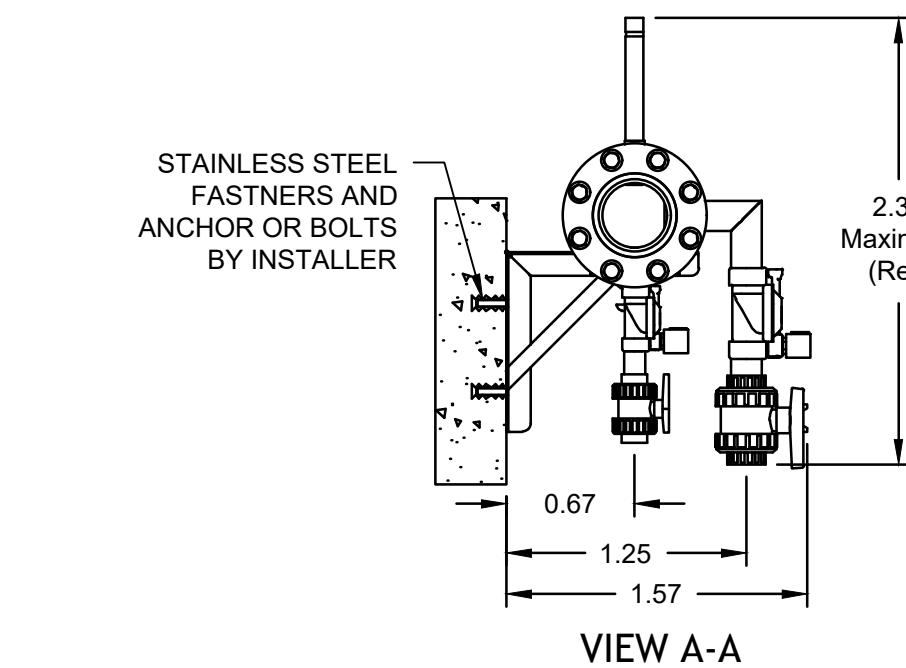
HY-TECH NO. 1267 METAL SHIELD OR HY-TECH NO. 15 AQUA PRIME BY:

HY-TECH THERMAL SOLUTIONS
159 PARKHILL BLVD.
MELBOURNE, FL 32904
www.hytechsales.com
PHONE: (866) 649-8324
OR APPROVED EQUAL.

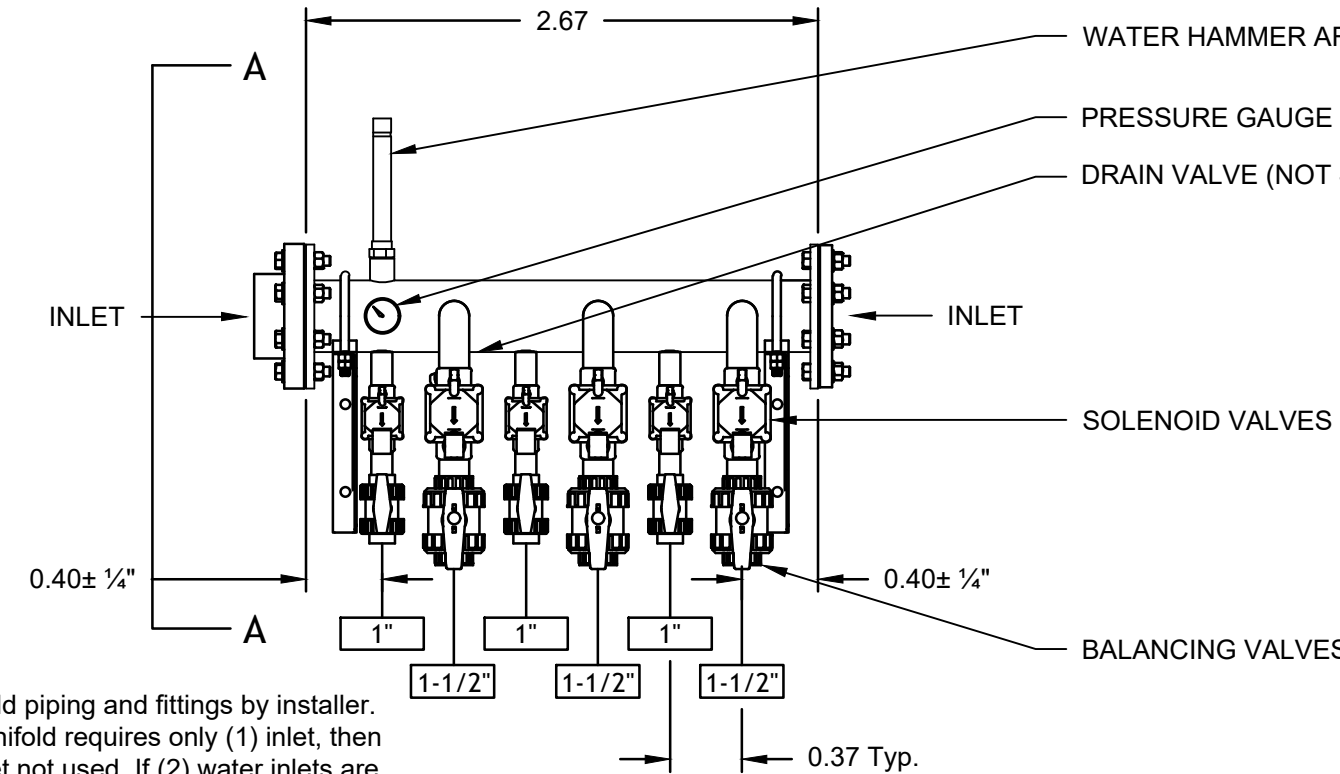
4.2.2. PRE-MIXED CERAMIC INSULATED PAINT:

HY-TECH RC No. 233 INDUSTRIAL INSULATING COATING BY:

HY-TECH THERMAL SOLUTIONS
159 PARKHILL BLVD.
MELBOURNE, FL 32904
www.hytechsales.com
PHONE: (866) 649-8324
OR APPROVED EQUAL.



VIEW A-A



- Notes:
1. All field piping and fittings by installer.
 2. If manifold requires only (1) inlet, then plug inlet not used. If (2) water inlets are required, then plug does not need to be installed.
 3. Provide winterizing drain valve on manifold.

Specifications

Distribution Header: 4" type 304L stainless steel pipe with flanged connection on both ends.
Solenoid Valves: Die cast bronze with stainless steel hardware, DIN connector with 15' cord, and 24VAC UL Recognized solenoid.
Balancing Valves: True union ball valve, Schedule 80 PVC.
Water Hammer Arrestor: 2" Copper and brass construction with pre-set operating pressure of 10-35 psi.
Drain Valve: 3/4" Cast bronze hose bib.
Pressure Gauge: Discharge Pressure Gauge: Tru-Tel #3550BC4L1D6F, 0-60 psi.
Mounting Brackets: Type 304 stainless steel with 1/2" stainless steel u-bolt.
Catalog Numbering: Numeric suffix following WMF- indicates number of discharge assemblies.

2 FLANGED WALL MOUNTED SPRAY MANIFOLD

NTS

REVISIONS

ISSUE	DATE	REVISIONS
1	9/4/15	85% DPP REVIEW
2	12/10/18	ISSUE FOR CONSTRUCTION



PENNSYLVANIA ONE CALL SYSTEM, INC.
925 South Sun Road
West Mifflin, Pennsylvania
15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776
NON-MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, PLANT OR GROUND!

PA ONE-CALL NUMBER (FOR DESIGN ONLY): 20183382907

DPP PROJECT COORDINATOR: FRANCESCO CERRAI, RLA

LAND ARCH. SEAL

KEVIN M. SELGER, RLA - PA LICENSE 002685

CIVIL ENG. SEAL

DESIGN CONSULTANT:

GILMORE & ASSOCIATES, INC.
DESIGN, ENGINEERING, LANDSCAPE
ARCHITECTURE & TECHNICAL CONSULTING
ONE PENN CENTER AT SUBURBAN STATION
1617 JFK BOULEVARD, SUITE 620
PHILADELPHIA, PA 19103
PHONE: (800) 344-5667

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA, PENNSYLVANIA

DPP PROJECT NUMBER: 16-14-4230-01
PROJECT TITLE: IMPROVEMENTS TO GIFFORD PLAYGROUND
575 TOMLINSON ROAD, PHILA. PA

SITE CONSTRUCTION DETAILS

DPP PROJECT NO.:	16-14-4230-01	DRAWING NO.:	
CONSULTANT PROJECT NO.:	2014-02041-07		
DATE:	12/10/2018		
SCALE:	AS NOTED		
DRAWN BY:	MDS		
CHECKED BY:	KMS		

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

D-4.0

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.