

GENERAL NOTES:

1. DESCRIPTION OF WORK:
 - 1.1. MINOR GRADING OF PLAY AREAS WITHIN LIMITS OF DISTURBANCE
 - 1.2. INSTALL DRAINAGE PIPE WITHIN LIMITS OF DISTURBANCE
 - 1.3. PROVIDE AND INSTALL EXERCISE AND PLAY EQUIPMENT PER MANUFACTURING SPECIFICATIONS AND PER CITY CODE
 - 1.4. PROVIDE AND INSTALL ENGINEERED WOOD FIBER MULCH PER THESE DRAWINGS AND PER CITY CODE
 - 1.5. INSTALL SIGNS, TRASH CANS, AND BENCHES PROVIDED BY OTHERS
2. RELATED WORK:
 - 2.5. SUBGRADE PREPARATION PER SECTION 31.23.13
 - 2.6. CONCRETE SIDEWALKS UNDER SECTION 32.13.13.14
3. UNLESS OTHERWISE NOTED, ALL SITE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, AND THE CITY OF BALTIMORE "DPW SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES, UTILITIES AND INCIDENTAL STRUCTURES", LATEST EDITION.
4. SOIL EROSION AND SEDIMENT CONTROL PROCEDURES, AS DEFINED IN THE BALTIMORE CITY STORMWATER MANAGEMENT MANUAL AND THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" SHALL BE STRICTLY ADHERED TO. CONTRACTOR SHALL EXERCISE CAUTION TO AVOID DAMAGE TO ALL INLETS.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO BIDDING AND START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
6. FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR MUST OBTAIN PERMITS FROM THE DEPARTMENT OF GENERAL SERVICES PERMITS DIVISION, ABEL WOLMAN MUNICIPAL BUILDING, 1ST FLOOR, 200 NORTH HOLLIDAY STREET, BALTIMORE, MARYLAND, 21202, PHONE (410)396-6865 OR (410)396-4508.
7. SAFE PEDESTRIAN AND VEHICLE ACCESS TO HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
8. PARK SIGNS ARE TO REMAIN OR BE RESTORED TO ORIGINAL CONDITION OR BETTER.
9. CONTRACTOR SHALL PERMANENTLY STABILIZE ANY AREAS DISTURBED BY CONSTRUCTION, STORAGE, OR VEHICULAR MOVEMENT. THIS INCLUDES ANY INCIDENTAL ACTIVITIES NOT SHOWN ON THE DRAWINGS BUT ASSOCIATED WITH WORK. SOIL SHALL BE PREPARED AND SEEDED IN ACCORDANCE WITH THE PLAN SPECIFICATIONS.

GERMAN PARK PLAYGROUND IMPROVEMENT

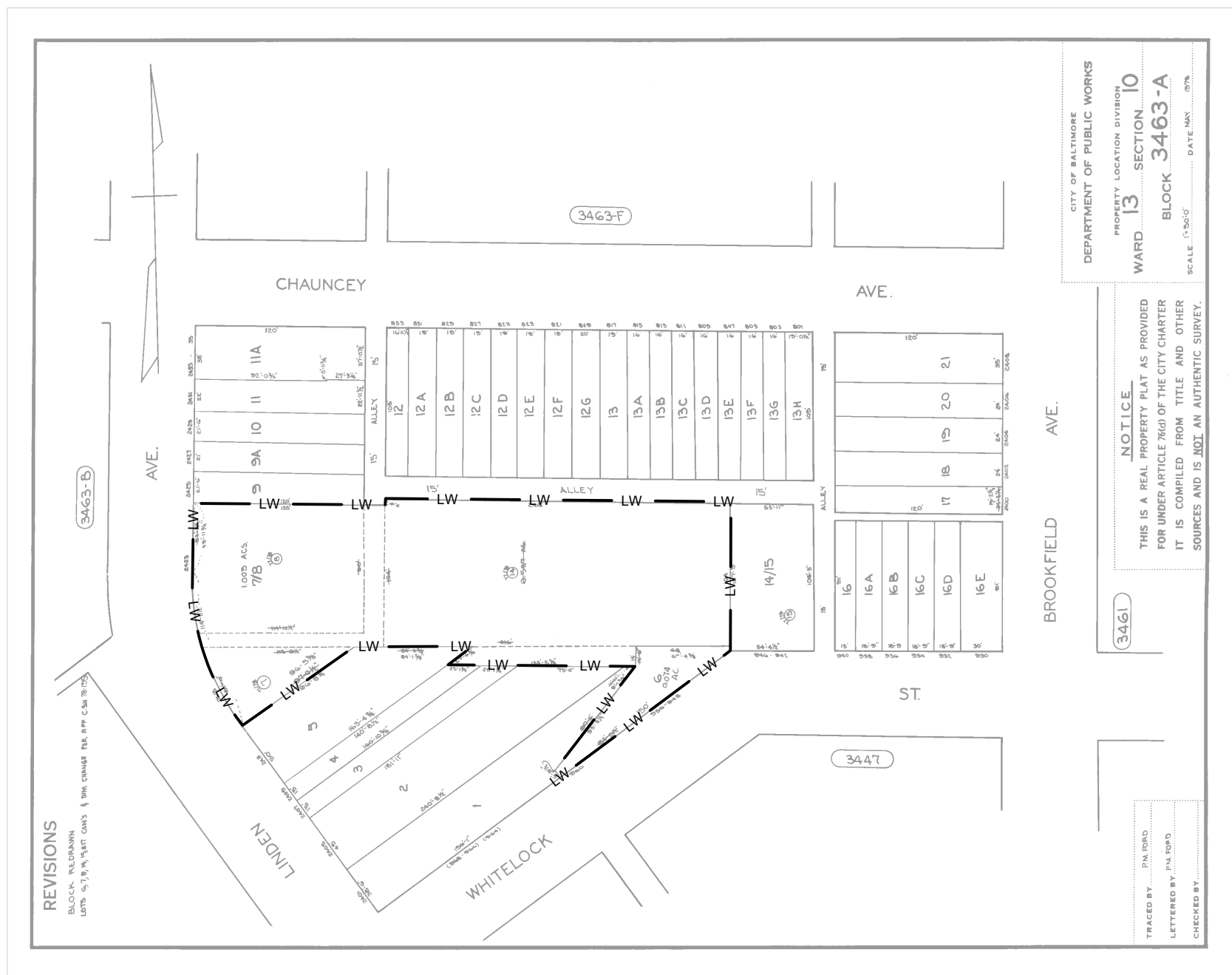
E-Plan #: 2019-1953



AUGUST 2019

INDEX OF DRAWINGS		
Sheet Number	Dwg. Name	Sheet Title
01	C-01	COVER SHEET
02	GN-01	GENERAL NOTES
03	TO-01	EXISTING CONDITIONS & DEMOLITION PLAN
04	PR-01	PROPOSED CONDITIONS & ESC PLAN
05	DD-01	DESIGN DETAILS

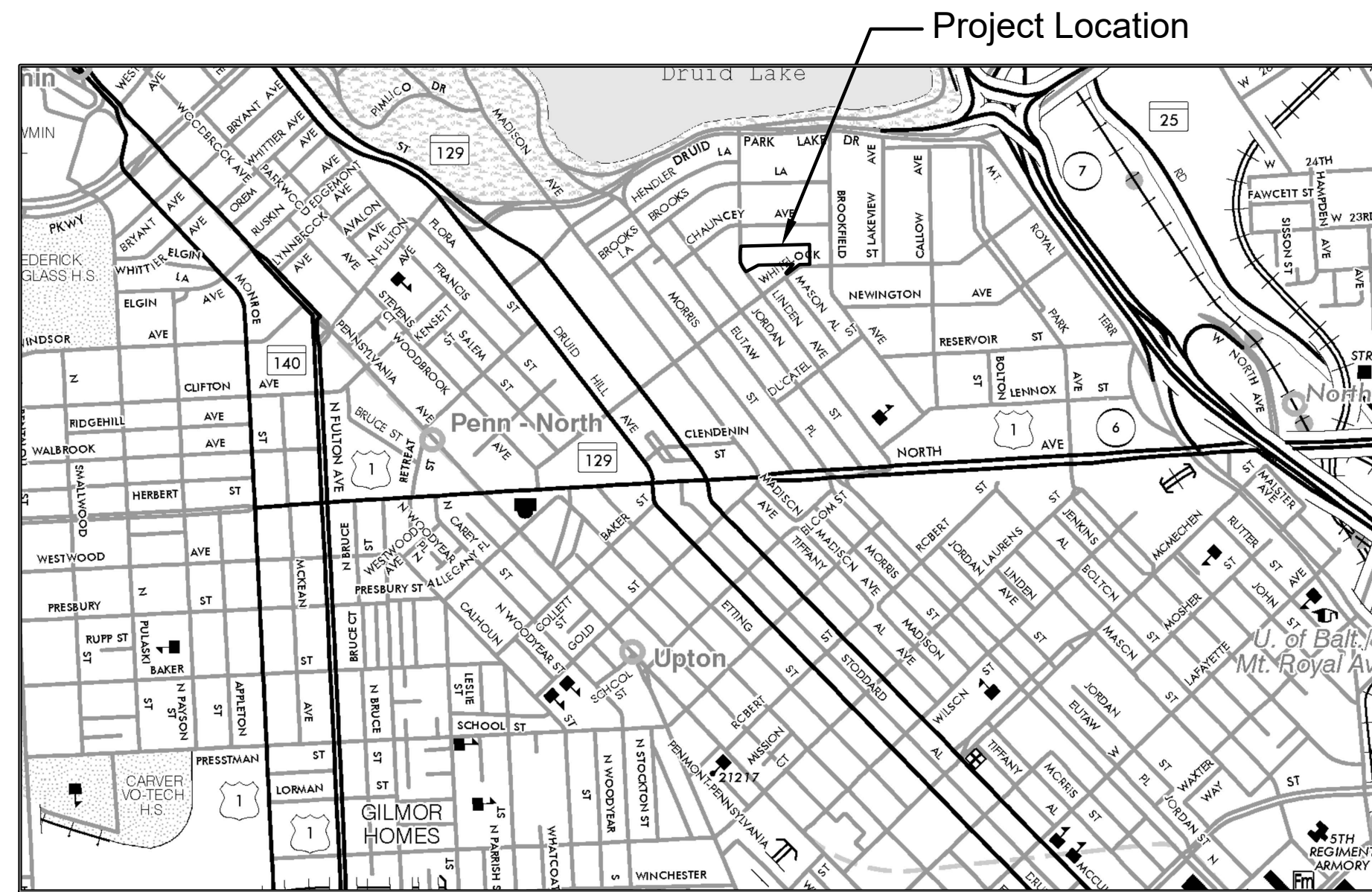
EARTHWORK TABULATION	
Disturbed Area:	3,737 sf (0.086 ac)
Total Cut:	61 cy
Total Fill:	0 cy
Net Cut Material:	61 cy



1 PROPERTY MAP
 SCALE 1" = 50'

LEGEND

— LW —	LIMIT OF WORK
—	PROPERTY LINES
- - - - -	DISCONTINUED PROPERTY LINES



Vicinity Map
 Scale 1"=1000'
 Source: Maryland State Highway Administration

PROJECT INFORMATION:
 Owner: Baltimore City Department of Recreation & Parks
 Address: 2423 Linden Avenue, Baltimore, MD 21217
 Watershed: Jones Falls 02130904
 Ward: 13
 Section: 10
 Lot: 007
 Block: 3463A
 Zoning: R-7

GERMAN PARK PLAYGROUND IMPROVEMENTS

City E-Plan #: 2019-1953

DEVELOPER/APPLICANT:
 HEALTHY NEIGHBORHOODS
 2 READ STREET
 Baltimore, MD 21202
 PHONE: (410) 332-0387



ENGINEER:
 Nick Lindow, PE
 CityScape Engineering, LLC
 3000 Chestnut Ave, Ste 340
 Baltimore, MD 21211
 PHONE: (410) 601-3290



PROPERTY OWNER:
 Baltimore City Dep't.
 Recreation & Parks
 3001 East Drive
 Baltimore, MD 21217
 PHONE: (410) 396-7900



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No: 40826
 Exp. Date: June 21, 2021



PROJECT NO.:	19-22
DWG NAME:	C-01
SHEET NO.:	1 OF 5

GENERAL NOTES:

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
2. EXISTING CONTOURS AND PLANIMETRIC DATA ARE DERIVED FROM FIELD-RUN SURVEY BY PRECISION SURVEYING AND MAPPING ON APRIL 3, 2019
3. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO BIDDING AND START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE CLIENT SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
4. CONTRACTOR SHALL PERMANENTLY STABILIZE ANY AREAS DISTURBED BY CONSTRUCTION, STORAGE, OR VEHICULAR MOVEMENT. THIS INCLUDES ANY INCIDENTAL ACTIVITIES NOT SHOWN ON THE DRAWINGS BUT ASSOCIATED WITH WORK. SOIL SHALL BE PREPARED AND SEEDED IN ACCORDANCE WITH THE PLAN SPECIFICATIONS.
5. COLD WEATHER:
 - 5.1. DO NOT USE FROZEN MATERIALS OR MATERIALS MIXED OR COATED WITH ICE OR FROST.
 - 5.2. DO NOT BUILD ON FROZEN WORK OR WET, SATURATED OR MUDDY SUBGRADE.

UTILITY NOTES:

1. SUBSURFACE UTILITY LOCATIONS SHOWN ON THIS PLAN WERE ESTIMATED BASED ON OBSERVED SURFACE MARKERS, MISS UTILITY PAINT MARKINGS, AND BALTIMORE CITY GIS DATA. THE CORRECTNESS AND COMPLETENESS OF THE UTILITY INFORMATION IS NOT WARRANTED OR GUARANTEED. THE PHYSICAL LOCATION OF ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST THREE WORKING DAYS PRIOR TO STARTING WORK SO THEY CAN ARRANGE TO MARK THE HORIZONTAL LOCATION OF THEIR UNDERGROUND UTILITIES. ANY PERMITS OR COSTS ASSOCIATED WITH MISS UTILITY ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SUPPORT AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CLIENT AND THE UTILITY COMPANY OF ANY DAMAGE TO THE UTILITY.

DEMOLITION NOTES:

1. FOR ANY PAVEMENT REMOVAL AREAS, NEATLY SAW CUT ALL EDGES.
2. NO MATERIAL SHALL BE BURNED OR BURIED ON SITE.
3. ANY EXCAVATED MATERIAL CAN BE TEMPORARILY STOCKPILED IN THE DESIGNATED STOCKPILE AREA TO BE DETERMINED BY THE CONTRACTOR. ALL MATERIAL SHOULD BE HAULED FROM THE SITE AND DISPOSED OF PROPERLY. ALL DISPOSAL SHOULD BE DONE AT A SITE WITH APPROVED APPLICABLE PERMITS.

SEQUENCE OF CONSTRUCTION:

PHASE 1 - PRE-CONSTRUCTION AND SET UP:

1. CONTRACTOR MUST NOTIFY HEALTHY NEIGHBORHOODS, BALTIMORE CITY DEPARTMENT OF RECREATION AND PARKS, AND THE PROJECT ENGINEER AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION STATING:
 - A. WHEN CONTRACTOR INTENDS TO BEGIN CONSTRUCTION,
 - B. CONTRACTOR'S TENTATIVE CLOSING DATE.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS UTILITY AT 1-800-257-7777 SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE LOCATION OF EXISTING UTILITIES.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS TO ALL SLOPES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND SEVEN (7) DAYS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4. REFER TO ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES, THIS SHEET.

5. WHERE APPLICABLE, CLEAR AND GRUB FOR PLACEMENT OF SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES ONLY.

6. INSTALL THE SILT FENCE IN THE LOCATIONS SHOWN ON THE PLANS.

PHASE 2 - DEMOLITION:

1. RELOCATE EXISTING WOOD PLANTER AS SHOWN ON PLANS
2. REMOVE AND SALVAGE EXISTING PLASTIC BORDERS AND RAMP FROM WITHIN LOD.
3. SAWCUT EXISTING PAVEMENT AT THE LIMITS SHOWN ON THE DEMOLITION PLAN. REMOVE SIDEWALK PANELS TO THE NEAREST JOINTS.

PHASE 3 - CONSTRUCTION:

1. PLACE 2 4" PVC OUTFLOW PIPES AND CONNECT TO STORM DRAIN AS SHOWN IN DETAIL 7, SHEET DD-01. INSTALL TMPORARY END CAPS TO BE CONNECTED TO PANEL DRAINS.
2. EXCAVATE SUBGRADE 12" BELOW FINAL PROPOSED GRADE WITHIN LIMITS OF SAFETY ZONE. SUBGRADE SHALL BE COMPACTED ACCORDING TO THE PLAYGROUND MANUFACTURER'S SPECIFICATIONS.
3. PLACE GEOTEXTILE, #57 STONE AND PANEL DRAIN IN LOCATIONS SHOWN. CONNECT PANEL DRAINS TO 4" PVC OUTFLOW PIPE VIA 4" TEE CONNECTION SHOWN IN DETAIL 5, SHEET DD-01. ENSURE THAT PANEL DRAIN HAS POSITIVE 1% MINIMUM SLOPE ALONG ENTIRE LENGTH TO PVC OUTFLOW PIPE. PLACE 3" OF #8 STONE OVER #57 STONE AS BRIDGING LAYER BETWEEN STONE AND SAFETY SURFACE SHOWN IN DETAIL 4, SHEET DD-01.
4. CONSTRUCT TIMBER BARRIER IN LOCATIONS SHOWN ON PLAN. INSTALL CONCRETE WALKWAY IN LOCATION SHOWN. SEE DETAIL 6, SHEET DD-01.
5. INSTALL PLAYGROUND EQUIPMENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
6. PLACE SAFETY SURFACE. SAFETY SURFACE TO BE ENGINEERED WOOD FIBER INSTALLED AND COMPRESSED FLUSH WITH PROPOSED BARRIERS. THICKNESS OF SURFACING IS BASED ON THE FALL HEIGHT OF THE EQUIPMENT. CONTRACTOR TO VERIFY THE EQUIPMENT FALL HEIGHT FROM THE MANUFACTURER AND VERIFY THE CRITICAL FALL HEIGHT THICKNESS OF THE SAFETY SURFACE FROM THE SURFACING MANUFACTURER. CONTRACTOR TO COORDINATE THE THICKNESS OF THE SAFETY SURFACING TO COMPLY WITH THE EQUIPMENT FALL HEIGHT.
7. THE FINAL SAFETY SURFACE SLOPE SHALL BE NO GREATER THAN 1 PERCENT.
8. INSTALL CONCRETE ACCESS RAMP AND REPAIR CONCRETE WALKWAY AROUND STORM DRAIN. SEE DETAIL 2, SHEET DD-01.
9. INSTALL SIGNS, TRASH CANS, AND BENCHES PROVIDED BY OTHERS IN LOCATIONS SHOWN ON PLANS.

PHASE 4 - LANDSCAPING AND CLEAN UP:

1. UPON COMPLETION OF THE PLAYGROUND, REMOVE ALL SILT FENCE AND CONTRACTOR TO CLEAN AND SWEEP ANY AREAS OF WALKWAY TO REMOVE SOIL. ALL OTHER DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH TURF. FURNISH AND INSTALL 4" TOPSOIL IN ALL DISTURBED AREAS PRIOR TO SEEDING AND MULCHING.

EROSION AND SEDIMENT CONTROL NOTES (PROJECTS UNDER 100 CY):

1. THE CONTRACTOR WILL COMPLY WITH ALL REQUIREMENTS OF SEDIMENT AND EROSION CONTROL AS SET FORTH IN THE MARYLAND SEDIMENT AND EROSION MANUAL AND BALTIMORE CITY CODE ARTICLE 7.
2. SUBMIT A WRITTEN NOTIFICATION TO: THE DEPARTMENT OF PUBLIC WORKS, OFFICE OF COMPLIANCE AND LABORATORIES: 3001 DRUID PARK DRIVE, ROOM 228, BALTIMORE, MD 21215, PHONE NUMBER, 410-396-0732, FAX 410-523-9047, DPW.ESCINSPECTIONS@BALTIMORECITY.GOV, AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION STATING:
 - A. A REQUEST FOR A PRECONSTRUCTION MEETING,
 - B. WHEN CONTRACTOR INTENDS TO BEGIN CONSTRUCTION,
 - C. WHEN THE CONTRACTOR INTENDS TO INSTALL STORMWATER MANAGEMENT FACILITIES,
 - D. CONTRACTOR'S TENTATIVE CLOSING DATE.
3. INITIAL DISTURBANCE WILL BE LIMITED TO THAT NECESSARY TO GAIN ENTRANCE TO THE SITE AND INSTALL NECESSARY SEDIMENT CONTROLS AS PER THE APPROVED PLANS.
4. ALL SEDIMENT CONTROLS AND CRITICAL SLOPES MUST BE STABILIZED WITHIN THREE (3) CALENDAR DAYS. ALL OTHER INACTIVE DISTURBED AREAS ON THE PROJECT SITE MUST BE STABILIZED WITHIN SEVEN (7) CALENDAR DAYS.
5. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE WHENEVER POSSIBLE AND CONFINED TO AN AREA WHERE IT WILL NOT OBSTRUCT THE NORMAL COURSE OF DRAINAGE.
6. PUMPING OF SEDIMENT LADEN WATER WILL NOT BE ALLOWED UNLESS IT IS FILTERED BY WAY OF AN APPROVED SEDIMENT TRAPPING DEVICE.
7. CONTINUOUS INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES IS MANDATORY.
8. ANY SEDIMENT CONTROL DEVICES DISTURBED DURING UTILITY CONSTRUCTION MUST BE RESTORED IMMEDIATELY.
9. ALL POINTS OF INGRESS AND EGRESS SHALL BE PROTECTED TO MINIMIZE TRACKING OF MUD ONTO PUBLIC RIGHT-OF-WAYS.
10. ANY EARTH, GRAVEL, AND/OR OTHER MATERIAL TRACKED, SPILLED OR WASHED ON TO ADJACENT ROADS MUST BE IMMEDIATELY REMOVED AND DISPOSED OF IN A PROPER MANNER. NO FLUSHING WILL BE PERMITTED. ALL MATERIAL MUST BE REMOVED BY MEANS OF SHOVELING AND SWEEPING.

MATERIAL AND CONSTRUCTION SPECIFICATIONS			
MATERIAL	SPECIFICATION	SIZE	NOTES
Concrete	Cast-in-place concrete per BC 03 30 00		Mix No. 2
Welded Wire Fabric	BC 32 13 13.33		
Expansion Joint	Preformed Joint Fillers and joint sealer conforming to BC 03 30 00		
Safety Surface	Engineered Wood Fiber (EWF) Mulch		Consult Attached Specifications
#57 Stone	Clean, washed, #57 stone meeting AASHTO M-43		
#8 Stone	Clean, washed, #8 stone meeting AASHTO M-43		To serve as bridging layer between #57 stone and safety surface
Graded Aggregate Base Course	Crusher Run Aggregate CR-6 conforming to BC 32 11 23.10		
Geotextile	Type II, Non-woven conforming to BC 33 23 23.53, Table E		
Panel Drain	12" AdvanEDGE Panel Drain, or equivalent	12" x 1.5"	Pipe shall be unwrapped, no external geotextile around pipe
Outflow Pipe	4" PVC, Schedule 80		
Topsoil	Furnished topsoil conforming to BC 31 14 13.24		
Seed Mix	MDE Seed Mix No. 7		Shade tolerant. See table this sheet.

PERMANENT SEEDING SUMMARY							
Hardiness Zone = 7a Seed Mixture = Cool Season Grass Mix				Fertilizer Rate (10-20-20)			Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P ₂ O ₅	K ₂ O
7	Creeping Red Fescue (<i>Festuca rubra</i>)	60 lb/ac (1.38 lb /1000 sf)	Feb 15 - Apr 30 Aug 15 - Oct 31 Nov 1 - Nov 30	½ - ¾ in.	45 lb/ac (1.0 lb /1000 sf)	90 lb/ac (2 lb /1000 sf)	90 lb/ac (2 lb /1000 sf)
	Kentucky Bluegrass (<i>Poa pratensis</i>)	15 lb/ac (0.34 lb /1000 sf)	Feb 15 - Apr 30 Aug 15 - Oct 31 Nov 1 - Nov 30	½ - ¾ in.			2 tons/ac (90 lb /1000 sf)

ENGINEER:
CITYSCAPE ENGINEERING, LLC
3000 CHESTNUT AVE
SUITE #340
BALTIMORE, MD 21211
PHONE: 410-601-3290



DEVELOPER/APPLICANT:
HEALTHY NEIGHBORHOODS
2 READ STREET
BALTIMORE, MD 21202
PHONE: 410-332-0387
410-837-4701



PROPERTY OWNER:
BALTIMORE CITY DEPT.
RECREATION & PARKS
3001 EAST DRIVE
BALTIMORE, MD 21217
PHONE: 410-396-7900

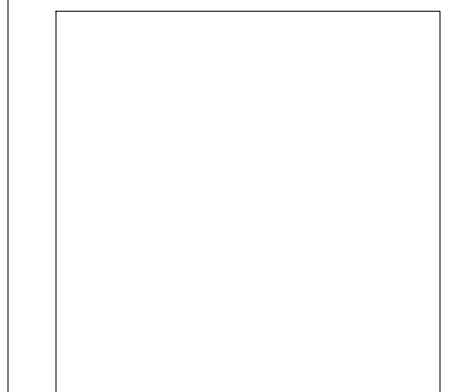


NO.	REVISION	BY	DATE
1	Preliminary	KL	Jul-19
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DRAWN: _____ CHECKED: _____

DESIGNED: _____

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No: _____
Exp. Date: _____



PROJECT INFORMATION:
GERMAN PARK PLAYGROUND IMPROVEMENT

2423 LINDEN AVENUE
BALTIMORE, MD 21217
WARD 13, SECTION 010
BLOCK 3463A, LOT 007

ESD NO.: NA

ePLAN NO.: 2019-1953

DATE: AUG 2019

PROJECT NO.: 19-22

SHEET TITLE:

GENERAL NOTES

GN-01

SHEET NO.: 02 OF 5

ENGINEER:
 CITYSCAPE ENGINEERING, LLC
 3000 CHESTNUT AVE
 SUITE #340
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 PHONE: 410-601-3290



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BALTIMORE CITY
 RECREATION & PARKS

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PROJECT INFORMATION:

GERMAN PARK PLAYGROUND IMPROVEMENT
 2423 LINDEN AVENUE
 BALTIMORE, MD 21217
 WARD 13, SECTION 010
 BLOCK 3463A, LOT 007

ESD NO.: _____ NA

ePLAN NO.: _____ 2019-1953

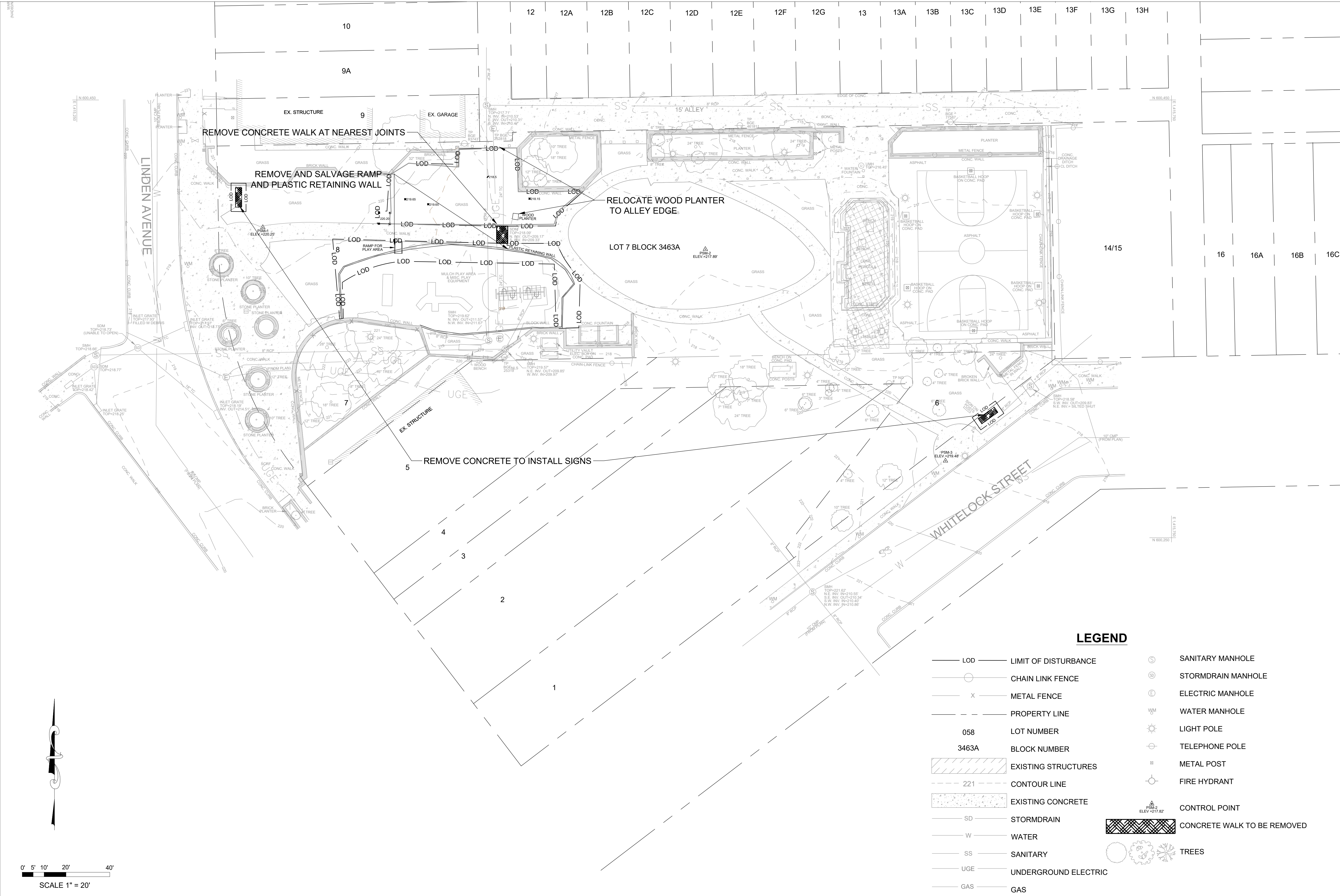
DATE: _____ AUG 2019

PROJECT NO.: _____ 19-22

SHEET TITLE:
EXISTING CONDITIONS & DEMOLITION PLAN

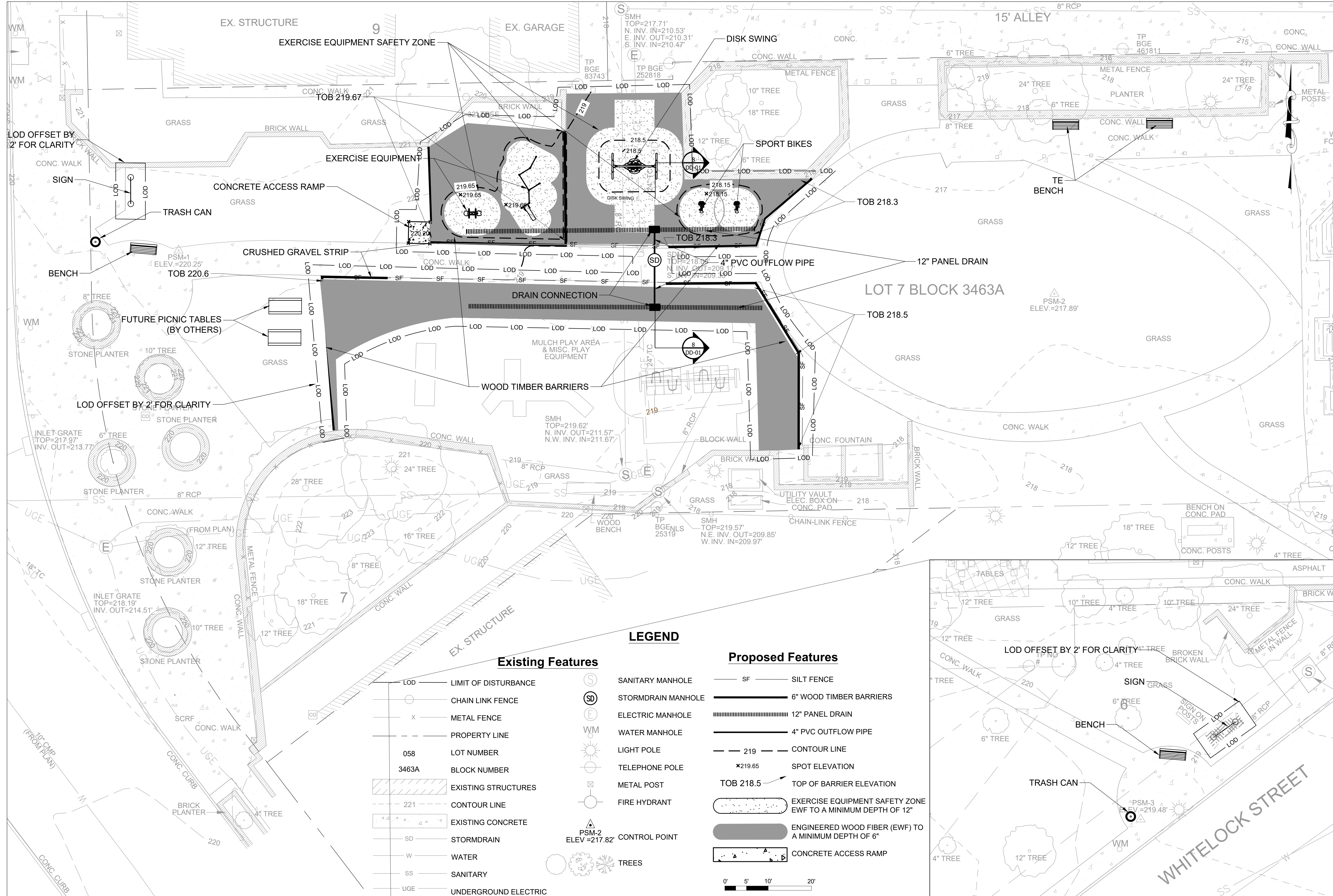
TO-01

SHEET NO.: _____ 03 OF 5



LEGEND

- LOD — LIMIT OF DISTURBANCE
- CHAIN LINK FENCE
- X — METAL FENCE
- — — PROPERTY LINE
- 058 LOT NUMBER
- 3463A BLOCK NUMBER
- [Hatched Box] EXISTING STRUCTURES
- - - 221 - - - CONTOUR LINE
- [Dotted Box] EXISTING CONCRETE
- SD — STORMDRAIN
- W — WATER
- SS — SANITARY
- UGE — UNDERGROUND ELECTRIC
- GAS — GAS
- ⊙ SANITARY MANHOLE
- ⊙ STORMDRAIN MANHOLE
- ⊙ ELECTRIC MANHOLE
- WM WATER MANHOLE
- ☀ LIGHT POLE
- ⊙ TELEPHONE POLE
- ⊙ METAL POST
- ⊙ FIRE HYDRANT
- ▲ PSM-2 ELEV=217.89' CONTROL POINT
- [Cross-hatched Box] CONCRETE WALK TO BE REMOVED
- 🌳 TREES



ENGINEER:
 CITYSCAPE ENGINEERING, LLC
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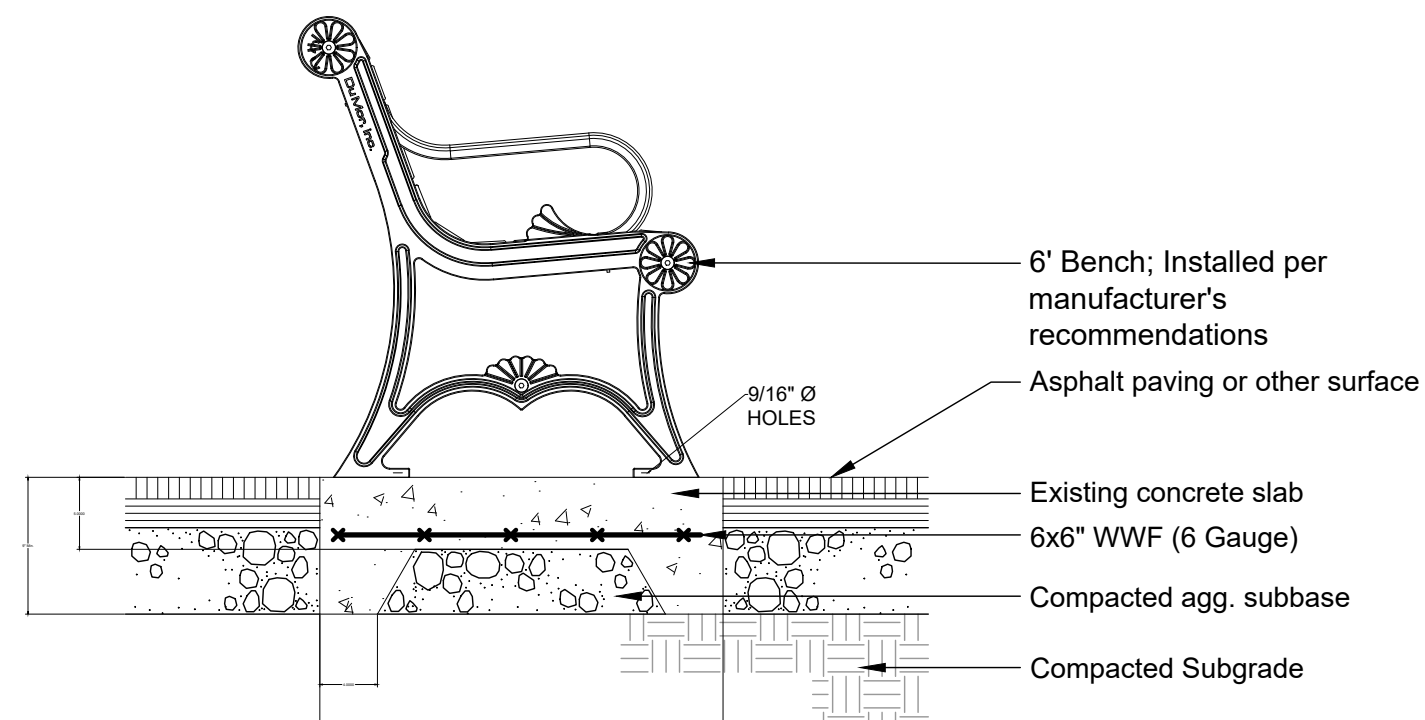
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GERMAN PARK PLAYGROUND IMPROVEMENT
 2423 LINDEN AVENUE
 BALTIMORE, MD 21217
 WARD 13, SECTION 010
 BLOCK 3463A, LOT 007

ESD NO.: NA
 ePLAN NO.: 2019-1953
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 PROJECT NO.: 19-22
 SHEET TITLE:
 PROPOSED CONDITIONS PLAN
 PR-01
 SHEET NO.: 04 OF 5

3 PROPOSED CONDITIONS PLAN - PARK AREA AND ENTRANCE AT LINDEN AVE

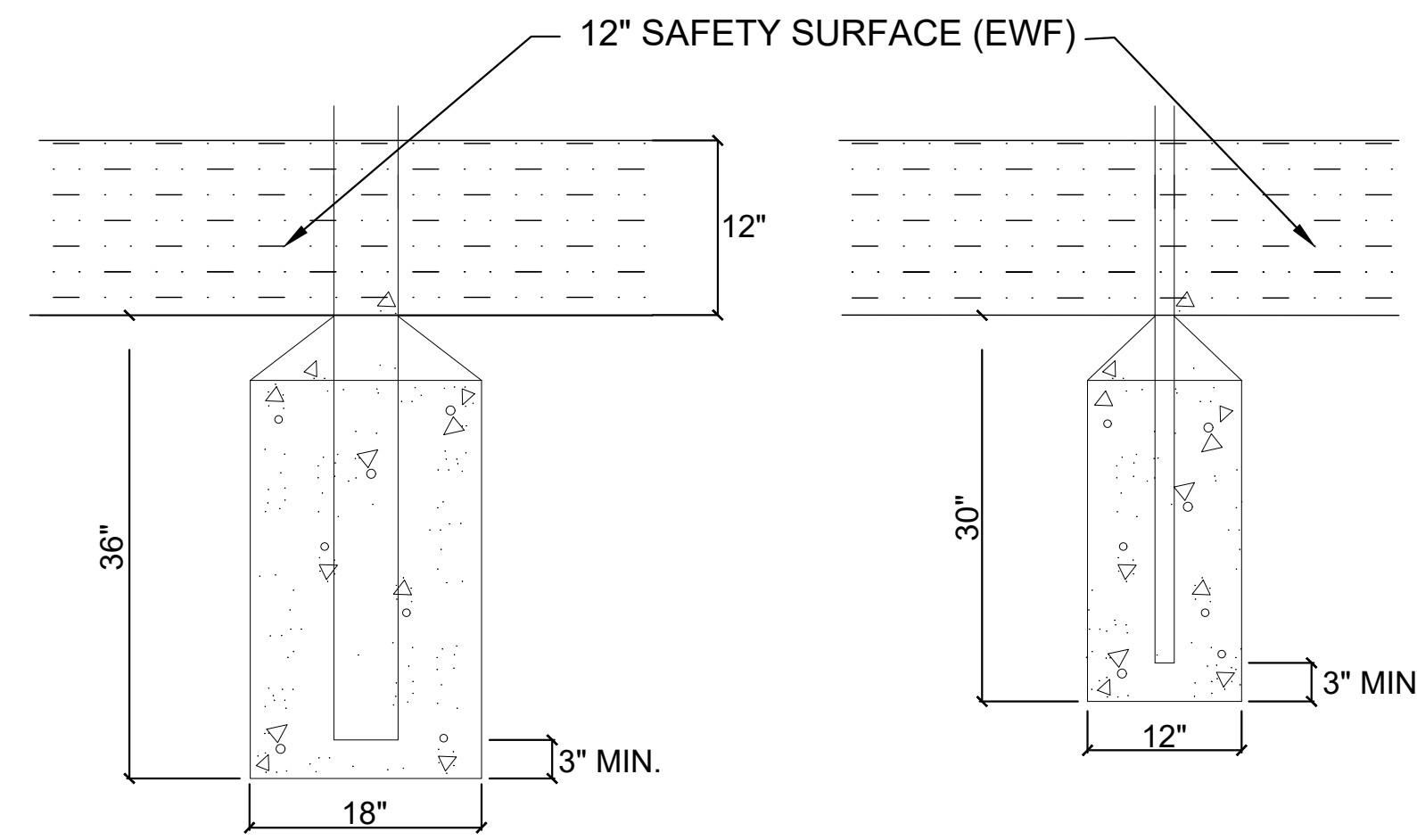
4 PROPOSED CONDITIONS PLAN - ENTRANCE AT WHITELOCK ST



NOTE: Benches provided by Owner. Contractor to assemble and install all benches.

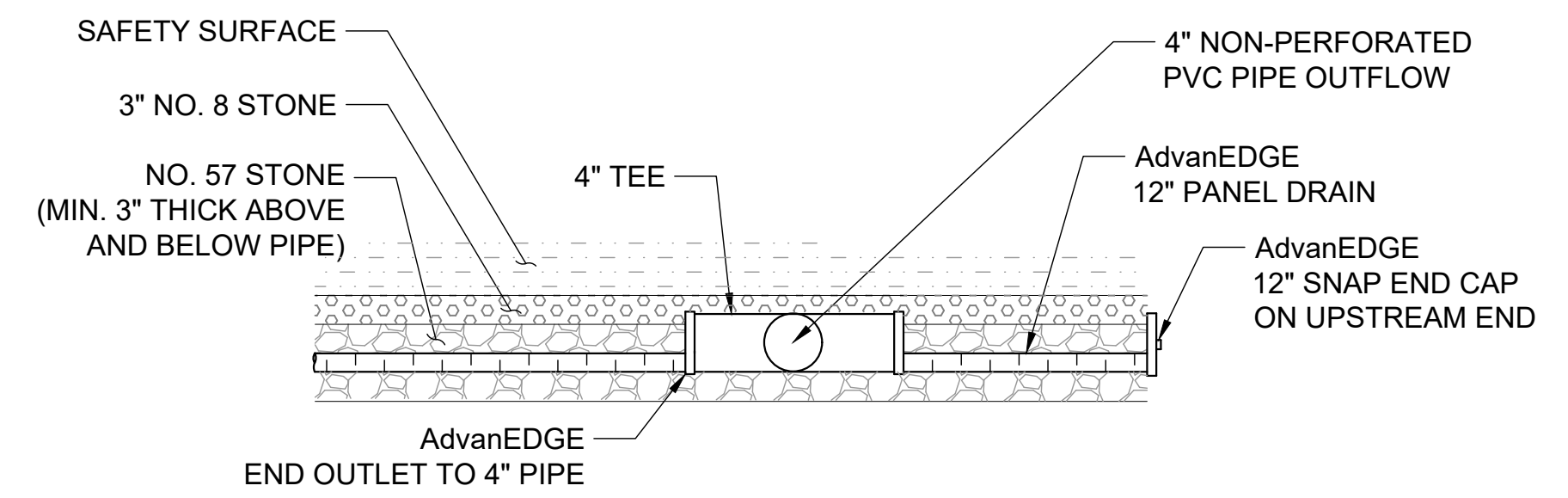
1 SITE FURNISHINGS

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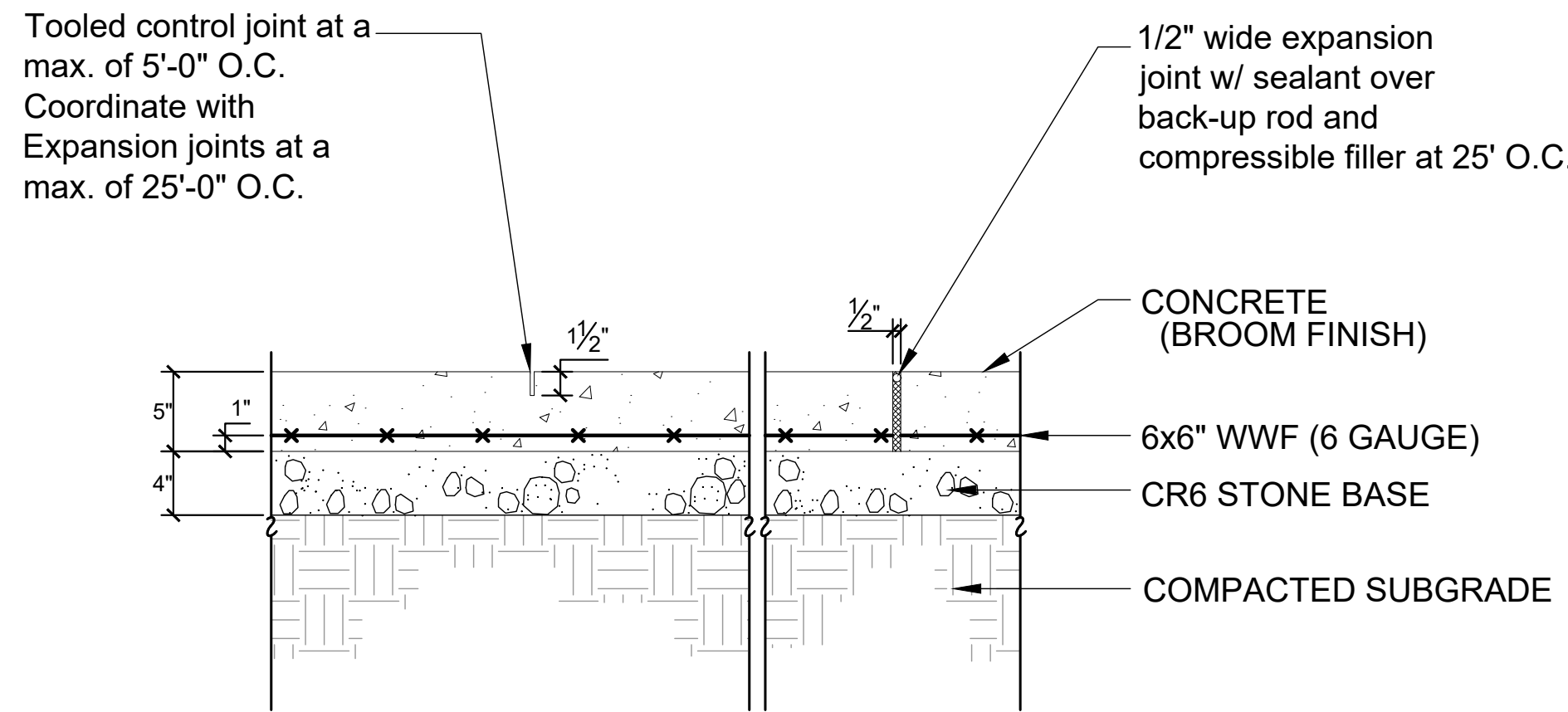
3 MODULAR SUPPORTS
MODULAR COMPONENTS
PLAY EQUIPMENT FOOTING IN SAFETY SURFACE
DETAIL

NTS



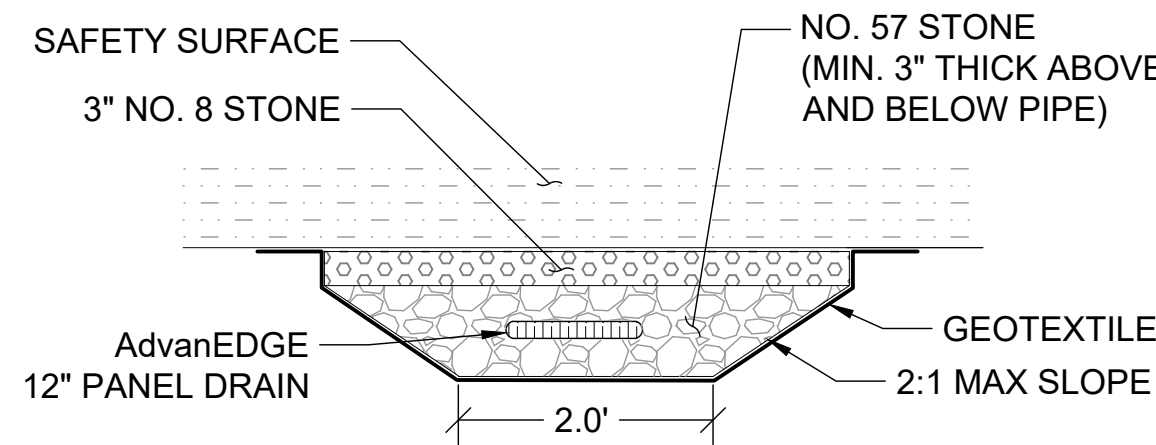
5 DRAIN PIPE CONNECTION DETAIL

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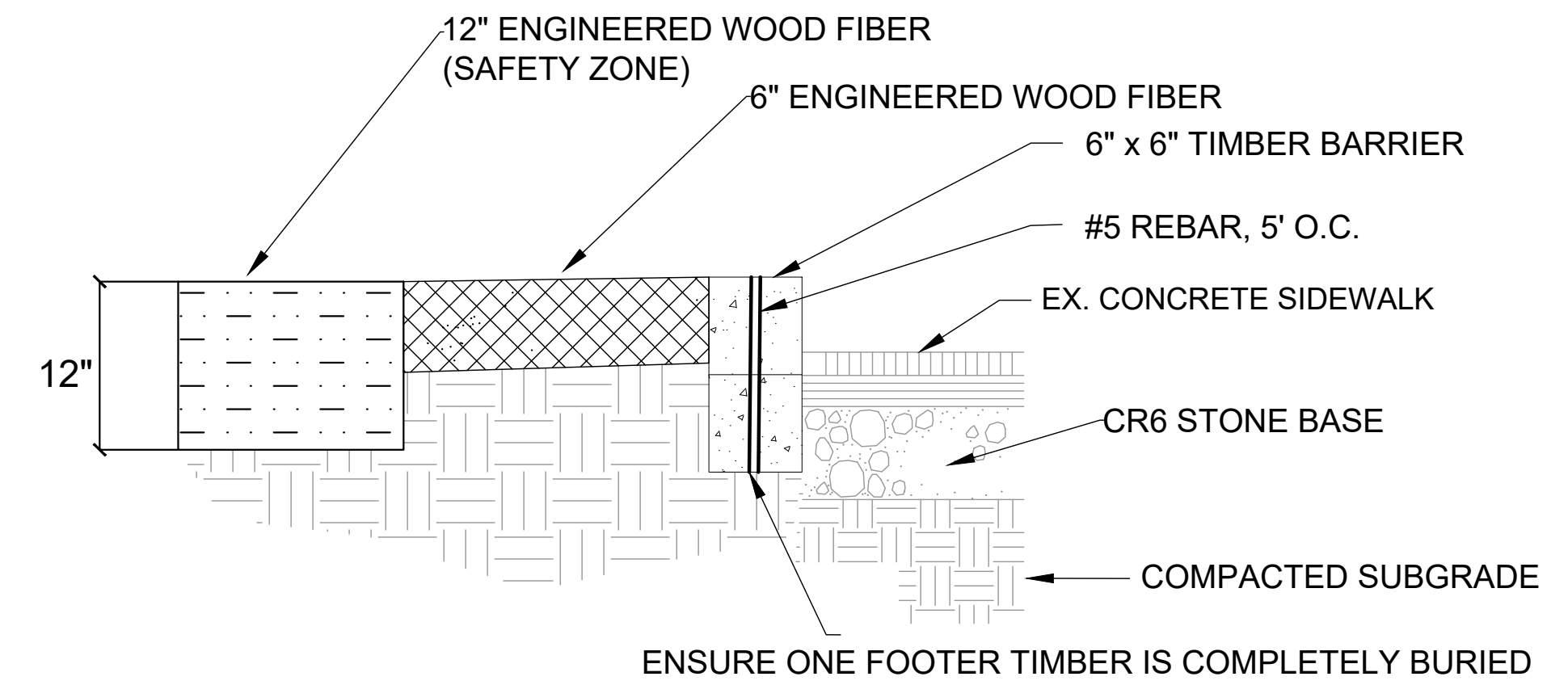
2 CONCRETE WALKWAY DETAIL

NTS



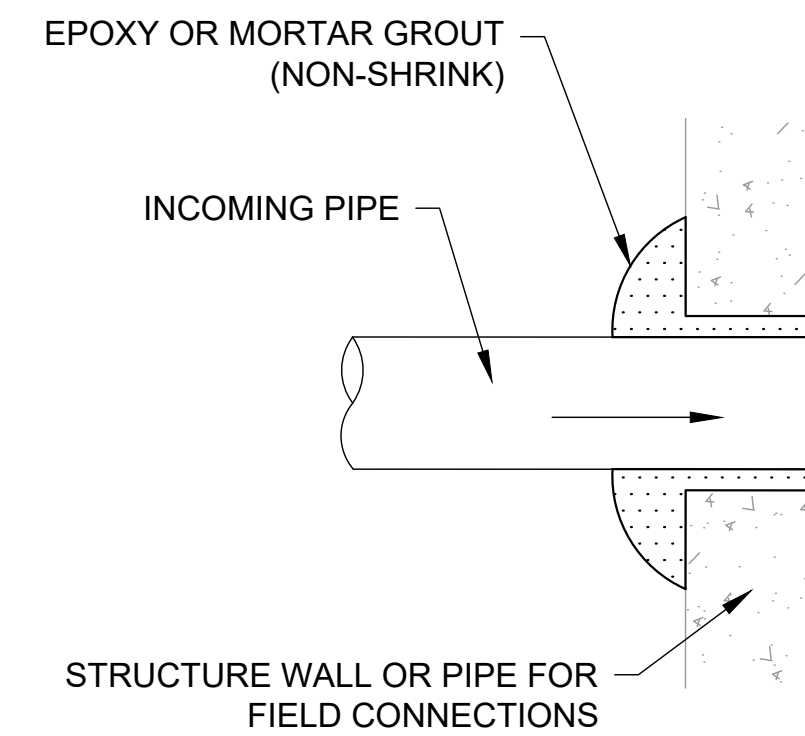
4 DRAIN PIPE CROSS SECTION

NTS



6 TIMBER BARRIER AND SAFETY SURFACE DETAIL

NTS

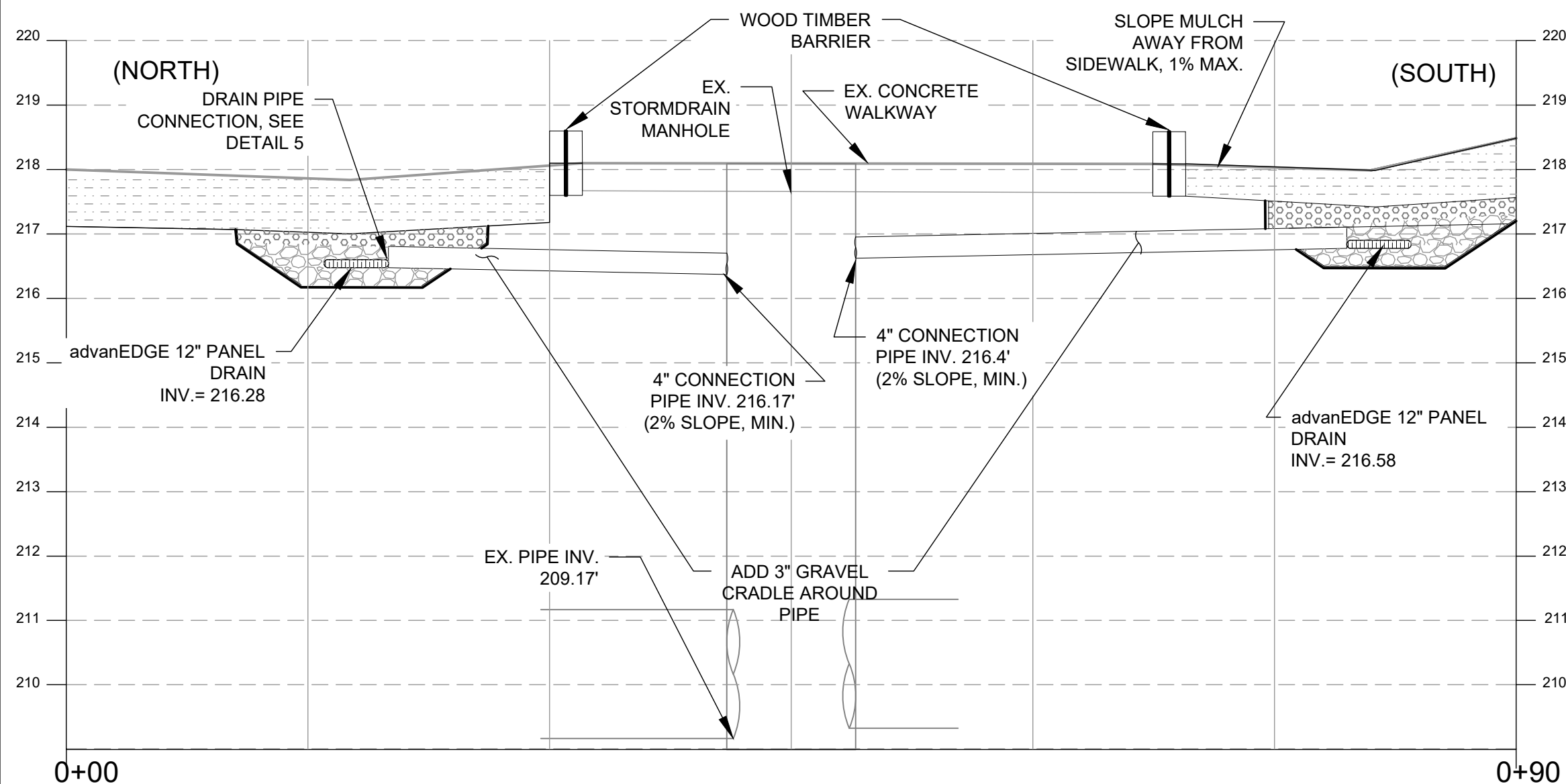


NOTES:

- GROUT SHALL BE PLACED AROUND PIPE TO FORM A TIGHT FIT
- TRIM INCOMING PIPE FLUSH WITH THE INSIDE STORM DRAIN STRUCTURE WALL OR PIPE.

7 4" PVC OUTFLOW PIPE

NTS



8 DRAINAGE PLAN PROFILE

SCALE: 1" = 2'

ENGINEER:
CITYSCAPE ENGINEERING, LLC
3000 CHESTNUT AVE
SUITE #340
BALTIMORE, MD 21211
PHONE: 410-601-3290



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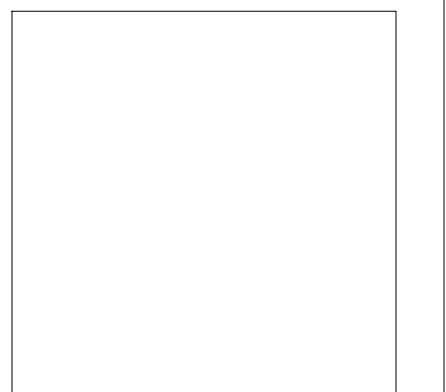
BALTIMORE CITY
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BALTIMORE, MD 21217
WARD 13, SECTION 010
BLOCK 3463A, LOT 007

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DESIGN DETAILS

DD-01

SHEET NO.: 05 OF 5