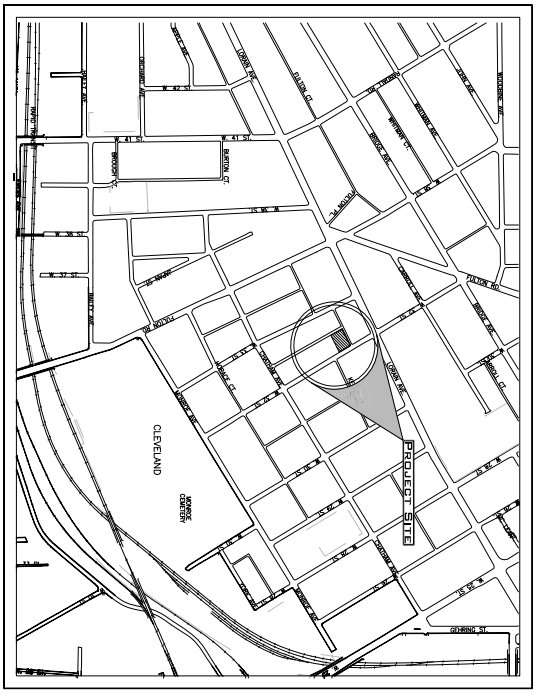


# IMPROVEMENT PLANS FOR PROVIDENCE HOUSE WEST GIG PERMEABLE PAVER PARKING LOT

THE CITY OF CLEVELAND, COUNTY OF  
CUYAHOGA AND STATE OF OHIO

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VICINITY MAP  
SCALE: 1" = 400'

  
DAVID PIETRANTONE P.E. #61756

DATE  
4/1/2020



PREPARED FOR:  
HDS ARCHITECTURE, INC.  
1939 WEST 25TH STREET, SUITE 300  
CLEVELAND, OHIO 44115  
PHONE 216-596-3460

C1.01



PROVIDENCE HOUSE WEST  
GIG PERMEABLE PAVER PARKING LOT  
WEST 32ND STREET  
CLEVELAND, OHIO

TITLE PAGE

Issued For:  
**FOR PERMIT**  
4/1/2020  
NOT FOR CONSTRUCTION

PAGE REVISIONS:

PLAN REVISIONS:

19-500

RIVERSTONE

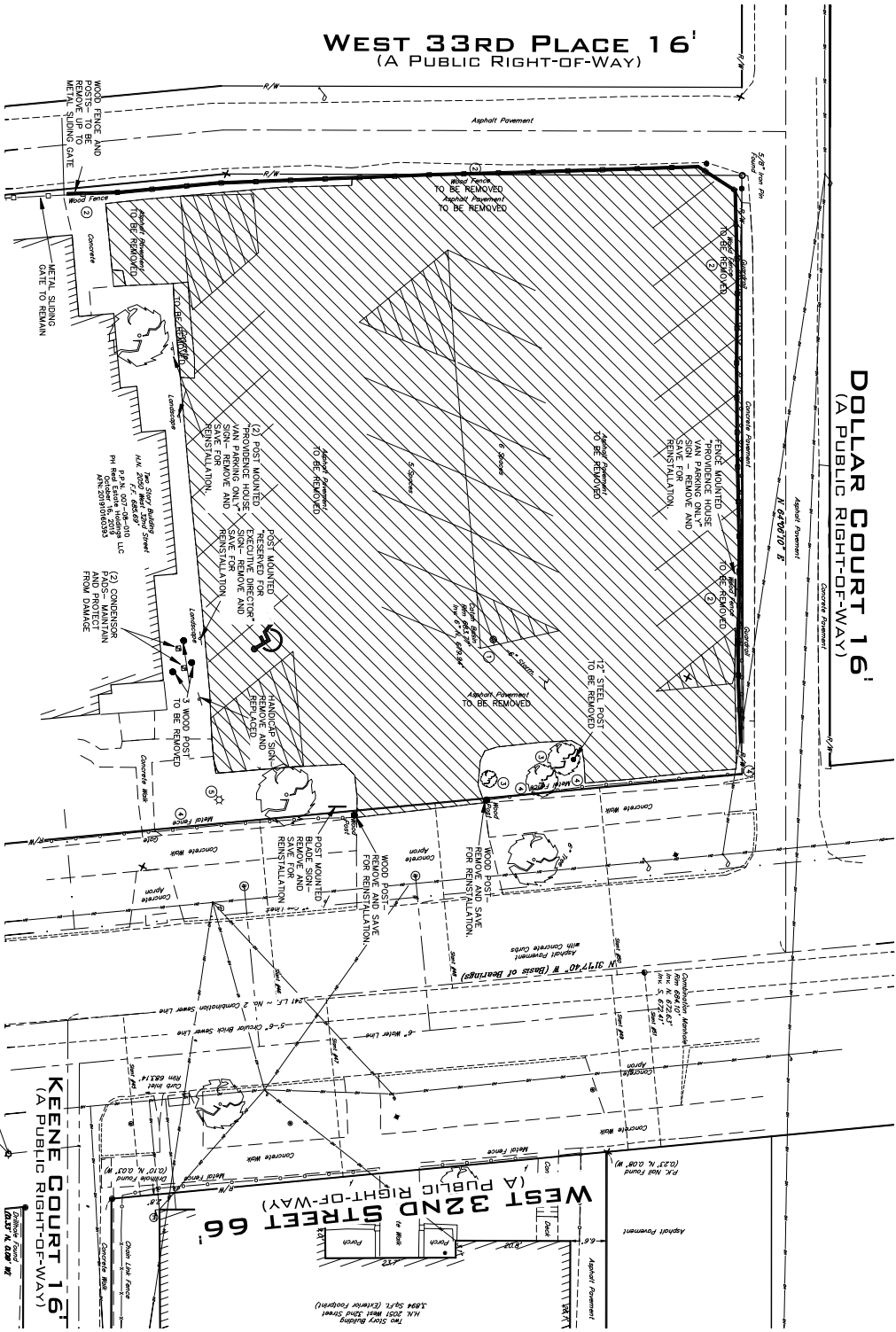
LAND SURVEYING - ENGINEERING - DESIGN  
3800 LAKESIDE AVENUE - SUITE 100  
CLEVELAND - OHIO - 44114  
PHONE: (216) 491-2000 FAX: (216) 491-9640  
WWW.RIVERSTONESURVEY.COM





**WEST 33RD PLACE 16'**  
(A PUBLIC RIGHT-OF-WAY)

**DOLLAR COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)



**KEENE COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)

**WEST 32ND STREET 66'**  
(A PUBLIC RIGHT-OF-WAY)

7.84M #1  
TOP LINE OF HYDRANT  
REVISION: 02/15/21

- GENERAL SITE DEMOLITION NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS NECESSARY FOR SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR ALL FEES.
  - CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE (OUPS) (703 698-5878) PRIOR TO ANY DEMOLITION TO IDENTIFY ANY EXISTING UTILITIES THAT SHALL BE CAREFULLY PROTECTED AND STRENGTHENED AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT EXISTING TREES AND SHRUBS DURING DEMOLITION. TREES DAMAGED DURING REMOVAL SHALL BE REPLACED BY CONTRACTOR.
- SITE DEMOLITION LEGEND:**
- 1. EXISTING CONCRETE, MASONRY OR BRICK TO REMAIN AND BE PROTECTED DURING DEMOLITION
  - 2. EXISTING CONCRETE, MASONRY OR BRICK TO BE REMOVED
  - 3. EXISTING FENCE, PANELS, POSTS AND FOUNDATIONS TO BE REMOVED AND REPLACED WITH NEW WOOD PRIVACY FENCE SYSTEM
  - 4. MAINTAIN AND PROTECT EXISTING TREES AND SHRUBS DURING DEMOLITION
  - 5. EXISTING UTILITY, FORCE MAIN AND OTHER EXISTING UTILITIES TO BE REMOVED AND PROTECTED
  - 6. EXISTING DRINKING WATER FORCE MAIN TO REMAIN AND BE PROTECTED
  - 7. EXISTING OVERHEAD MOUNTED FLUOR LIGHT TO REMAIN AND BE PROTECTED

**LEGEND**

1. Monumented Box Found

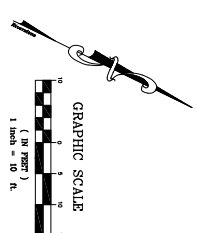
2. 4" or 6" iron fire set and

3. 4" or 6" iron fire set and

4. 4" or 6" iron fire set and

5. 4" or 6" iron fire set and

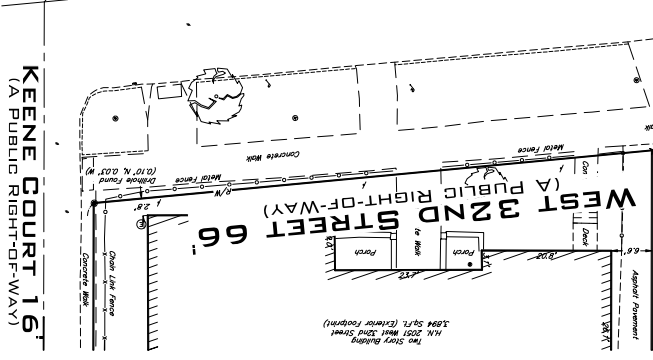
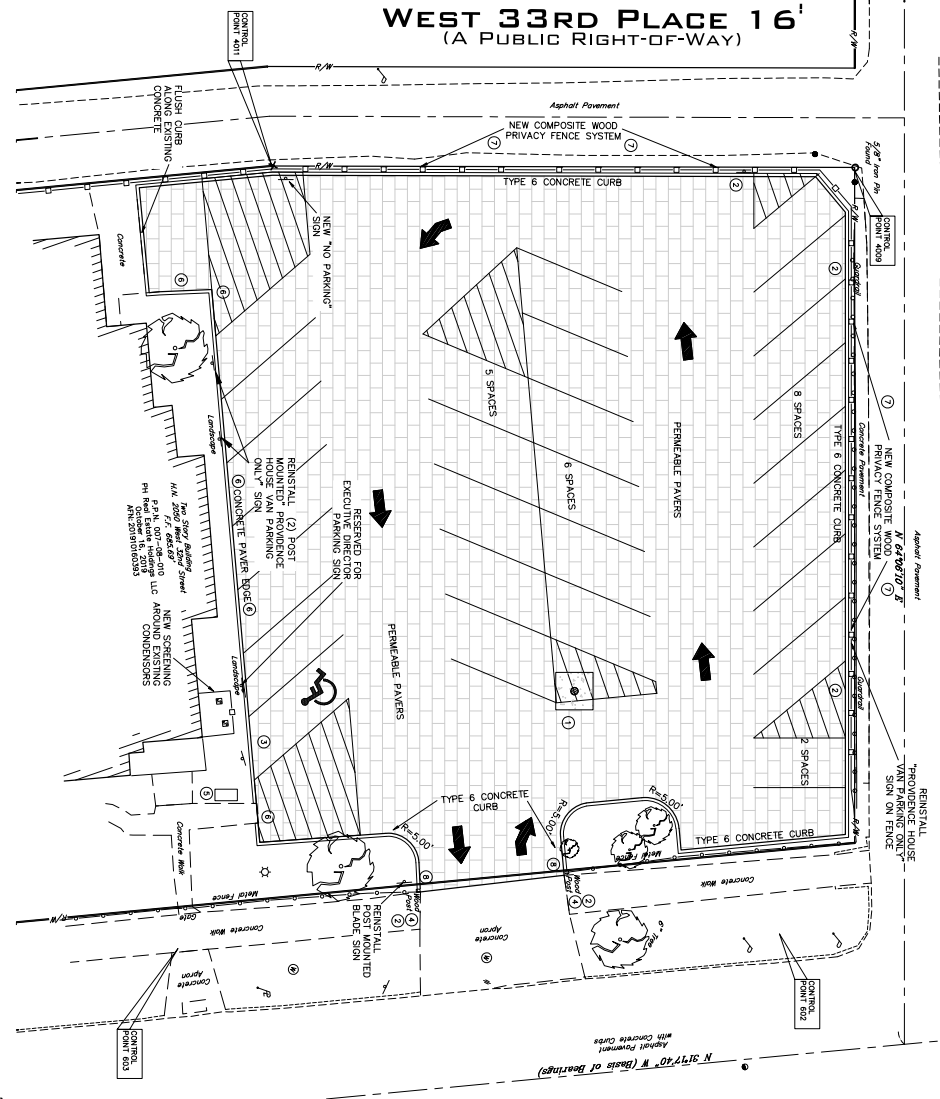
1. Monumented Box Found	2. 4" or 6" iron fire set and
3. 4" or 6" iron fire set and	4. 4" or 6" iron fire set and
5. 4" or 6" iron fire set and	6. 4" or 6" iron fire set and
7. 4" or 6" iron fire set and	8. 4" or 6" iron fire set and
9. 4" or 6" iron fire set and	10. 4" or 6" iron fire set and



	<p><b>PROVIDENCE HOUSE WEST</b> GIG PERMEABLE PAVER PARKING LOT WEST 32ND STREET CLEVELAND, OHIO</p> <p>SITE DEMOLITION PLAN</p>	<p><b>RIVERSTONE</b> LAND SURVEYING - ENGINEERING - DESIGN 3800 LAKEBRIAR AVENUE - SUITE 100 LEVELAND, OHIO 44130 PHONE: (216) 491-2000 FAX: (216) 491-9640 WWW.RIVERSTONE-SURVEY.COM</p>	
<p><b>C2.02</b></p>	<p>ISSUED FOR: <b>FOR PERMIT</b> 4/1/2020 NOT FOR CONSTRUCTION</p>	<p>19-500 PLAN REVISIONS:</p>	<p>PAGE REVISIONS:</p>

**WEST 33RD PLACE 16'**  
(A PUBLIC RIGHT-OF-WAY)

**DOLLAR COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)



T.B.M. #1  
Top Mark of Hydrant  
Elevation - 889.58

**KEENE COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)

CONCRETE CURB  
(2.5' X 4.0' @ 30' W)

**LEGEND**

**CONTROL POINTS**

POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
402	SPIKE IN STREET LANE WEST 32ND STREET	8623.7840	12864.3070	664.47
403	WOOD SIGN IN CONCRETE CURB	817.6720	12864.6330	663.92
409	WOOD SIGN IN CONCRETE CURB	910.7860	12868.1110	664.64
4011	WOOD SIGN IN CONCRETE CURB	8076.3940	12726.7980	665.63

**DESCRIPTION**

- CONCRETE CURB: SEE DETAIL SHEET 04.01
- NEW SIGN MOUNTED SIGN: PROVIDENCE HOUSE PARKING ONLY. ALL OTHERS WILL BE TOOK BY CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO CONSTRUCTION.
- WOOD SIGN: PROVIDENCE HOUSE PARKING ONLY SIGN.
- EXISTING WOOD SIGN: PROVIDENCE HOUSE PARKING ONLY SIGN.
- NEW POST MOUNTED SIGN: PROVIDENCE HOUSE PARKING ONLY SIGN.
- CONCRETE PAVER DOOR: CONCRETE PAVER DOOR TO BE FLUSH WITH SIDEWALK.
- NEW COMPOSITE WOOD PRIVACY FENCE SYSTEM: TO BE INSTALLED WITH 4" X 6" POSTS AND 4" X 6" RAILS. PROVIDE DETAIL FOR END CONNECTIONS.
- END CONNECTION: PROVIDE DETAIL FOR END CONNECTIONS.

**SITE PLAN GENERAL NOTES:**

NEW PAVEMENT STRIPING SHALL BE PAINTED TO MATCH EXISTING PARKING LAYOUT.

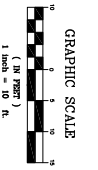
**LEGEND**

**GENERAL NOTES:**

- As Shown: As Shown
- Proposed: Proposed
- Existing: Existing
- Removed: Removed
- Utility: Utility
- Survey: Survey
- Boundary: Boundary
- Property: Property
- Right-of-Way: Right-of-Way
- Setback: Setback
- Retained: Retained
- Revised: Revised
- Notes: Notes
- Other: Other

**SYMBOLS:**

- As Shown: As Shown
- Proposed: Proposed
- Existing: Existing
- Removed: Removed
- Utility: Utility
- Survey: Survey
- Boundary: Boundary
- Property: Property
- Right-of-Way: Right-of-Way
- Setback: Setback
- Retained: Retained
- Revised: Revised
- Notes: Notes
- Other: Other



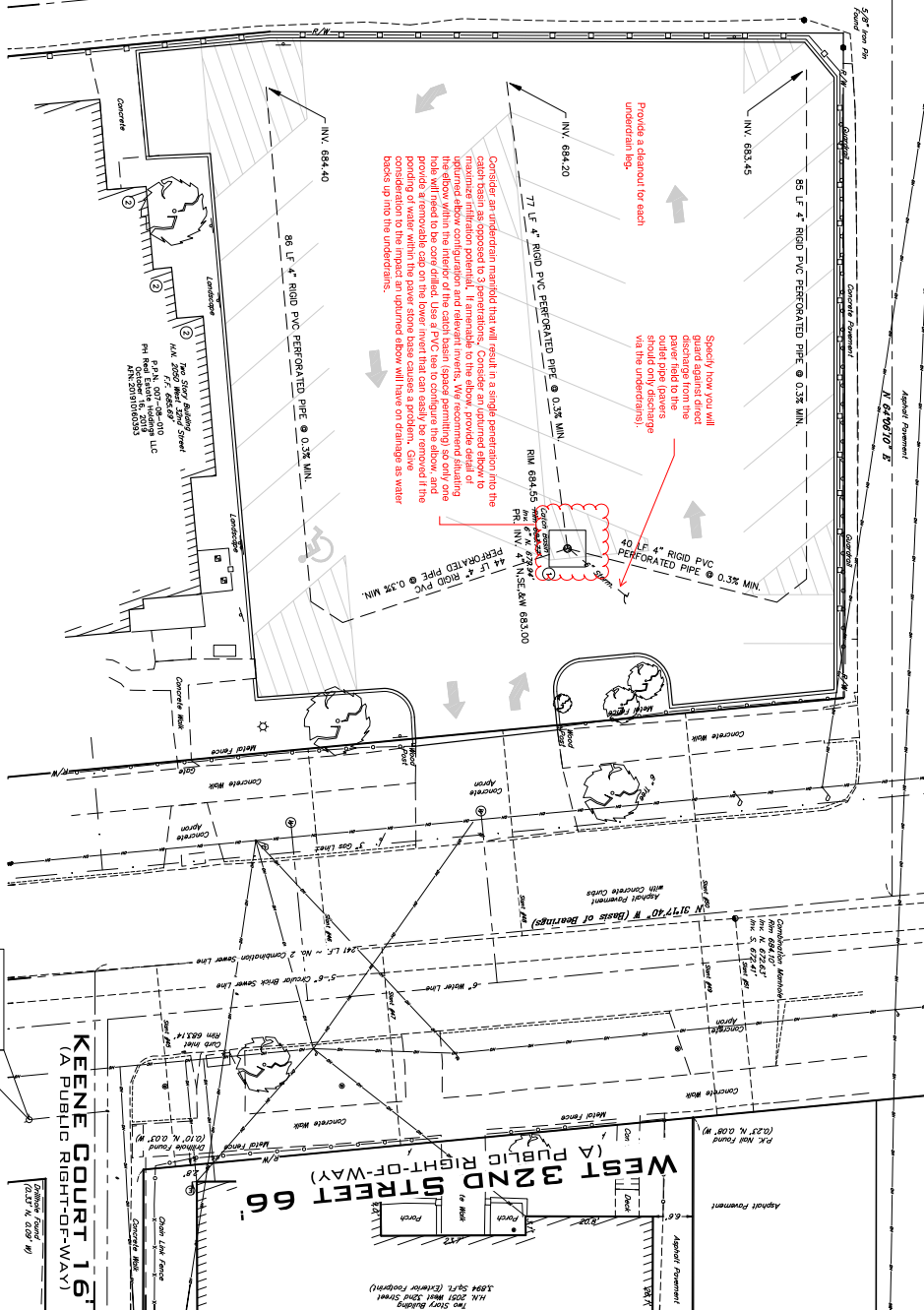
<p><b>RIVERSTONE</b> LAND SURVEYING - ENGINEERING - DESIGN 3800 LAKEBRIE AVENUE - SUITE 100 CLEVELAND, OHIO 44114 PHONE: (216) 491-2000 FAX: (216) 491-9640 WWW.RIVERSTONE-SURVEYING.COM</p>	<p>OHIO STATE SURVEYOR LICENSE # 11138</p>	<p>ISSUED FOR: <b>FOR PERMIT</b> <b>4/1/2020</b> NOT FOR CONSTRUCTION</p>	<p>PLAN REVISIONS:</p> <p>19-500</p>	<p>PROVIDENCE HOUSE WEST GIG PERMEABLE PAVER PARKING LOT WEST 32ND STREET CLEVELAND, OHIO</p> <p>SITE PLAN</p>	<p>OGUPUS &amp; ASSOCIATES</p>	<p><b>C3.01</b></p>
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# WEST 33RD PLACE 16<sup>1</sup>

(A PUBLIC RIGHT-OF-WAY)

# DOLLAR COURT 16<sup>1</sup>

(A PUBLIC RIGHT-OF-WAY)

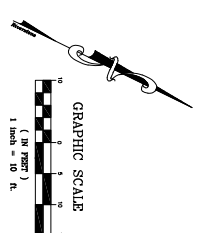


Reduce solid left-hand open grate so it can act as an overflow in the event the system becomes clogged.

UP TO 50% PERCENT DISCOUNT ON THE COST OF THE SYSTEM FOR THE FIRST 100' OF THE SYSTEM. DISCOUNT TO BE APPLIED TO THE TOTAL SYSTEM COST. DISCOUNT TO BE APPLIED TO THE TOTAL SYSTEM COST. DISCOUNT TO BE APPLIED TO THE TOTAL SYSTEM COST.

**WEST 32ND STREET 66<sup>1</sup>**  
(A PUBLIC RIGHT-OF-WAY)

**KEENE COURT 16<sup>1</sup>**  
(A PUBLIC RIGHT-OF-WAY)



### LEGEND

	Survey Point
	Spot Elevation Tag
	Proposed Manhole
	Proposed Catch Basin
	Proposed Underdrain
	Proposed PVC Pipe
	Proposed Manhole Cover
	Proposed Catch Basin Cover
	Proposed Underdrain Cover
	Proposed Storm Water Inlet
	Proposed Storm Water Outlet
	Proposed Storm Water Manhole
	Proposed Storm Water Catch Basin
	Proposed Storm Water Underdrain
	Proposed Storm Water Manhole Cover
	Proposed Storm Water Catch Basin Cover
	Proposed Storm Water Underdrain Cover
	Proposed Storm Water Manhole Inlet
	Proposed Storm Water Manhole Outlet
	Proposed Storm Water Catch Basin Inlet
	Proposed Storm Water Catch Basin Outlet
	Proposed Storm Water Underdrain Inlet
	Proposed Storm Water Underdrain Outlet
	Proposed Storm Water Manhole Inlet Cover
	Proposed Storm Water Manhole Outlet Cover
	Proposed Storm Water Catch Basin Inlet Cover
	Proposed Storm Water Catch Basin Outlet Cover
	Proposed Storm Water Underdrain Inlet Cover
	Proposed Storm Water Underdrain Outlet Cover
	Proposed Storm Water Manhole Inlet Manhole
	Proposed Storm Water Manhole Outlet Manhole
	Proposed Storm Water Catch Basin Inlet Manhole
	Proposed Storm Water Catch Basin Outlet Manhole
	Proposed Storm Water Underdrain Inlet Manhole
	Proposed Storm Water Underdrain Outlet Manhole
	Proposed Storm Water Manhole Inlet Catch Basin
	Proposed Storm Water Manhole Outlet Catch Basin
	Proposed Storm Water Catch Basin Inlet Catch Basin
	Proposed Storm Water Catch Basin Outlet Catch Basin
	Proposed Storm Water Underdrain Inlet Catch Basin
	Proposed Storm Water Underdrain Outlet Catch Basin
	Proposed Storm Water Manhole Inlet Underdrain
	Proposed Storm Water Manhole Outlet Underdrain
	Proposed Storm Water Catch Basin Inlet Underdrain
	Proposed Storm Water Catch Basin Outlet Underdrain
	Proposed Storm Water Underdrain Inlet Underdrain
	Proposed Storm Water Underdrain Outlet Underdrain

**NOTES:**

SEWER REGULATION WAS OBTAINED FROM THE CITY OF CLEVELAND WATER DEPARTMENT. THE SEWER REGULATION IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IN WRITING IN THE EVENT OF ANY CHANGE TO THE SEWER REGULATION. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IN WRITING IN THE EVENT OF ANY CHANGE TO THE SEWER REGULATION. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IN WRITING IN THE EVENT OF ANY CHANGE TO THE SEWER REGULATION.

PIPE SLOPE SHOWN ON PLANS IS ESTIMATED BASED ON ESTIMATED SLOPE OF EXISTING SURFACE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE SLOPE OF EXISTING SURFACE AND TO ADJUST THE PIPE SLOPE AS NECESSARY TO MAINTAIN THE DESIRED SLOPE. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IN WRITING IN THE EVENT OF ANY CHANGE TO THE SEWER REGULATION.

SEWER SLANT #48 - 433' NORTH OF MAIN ST. SEWER SLANT #49 - 514' NORTH OF MAIN ST. SEWER SLANT #50 - 514' NORTH OF MAIN ST.

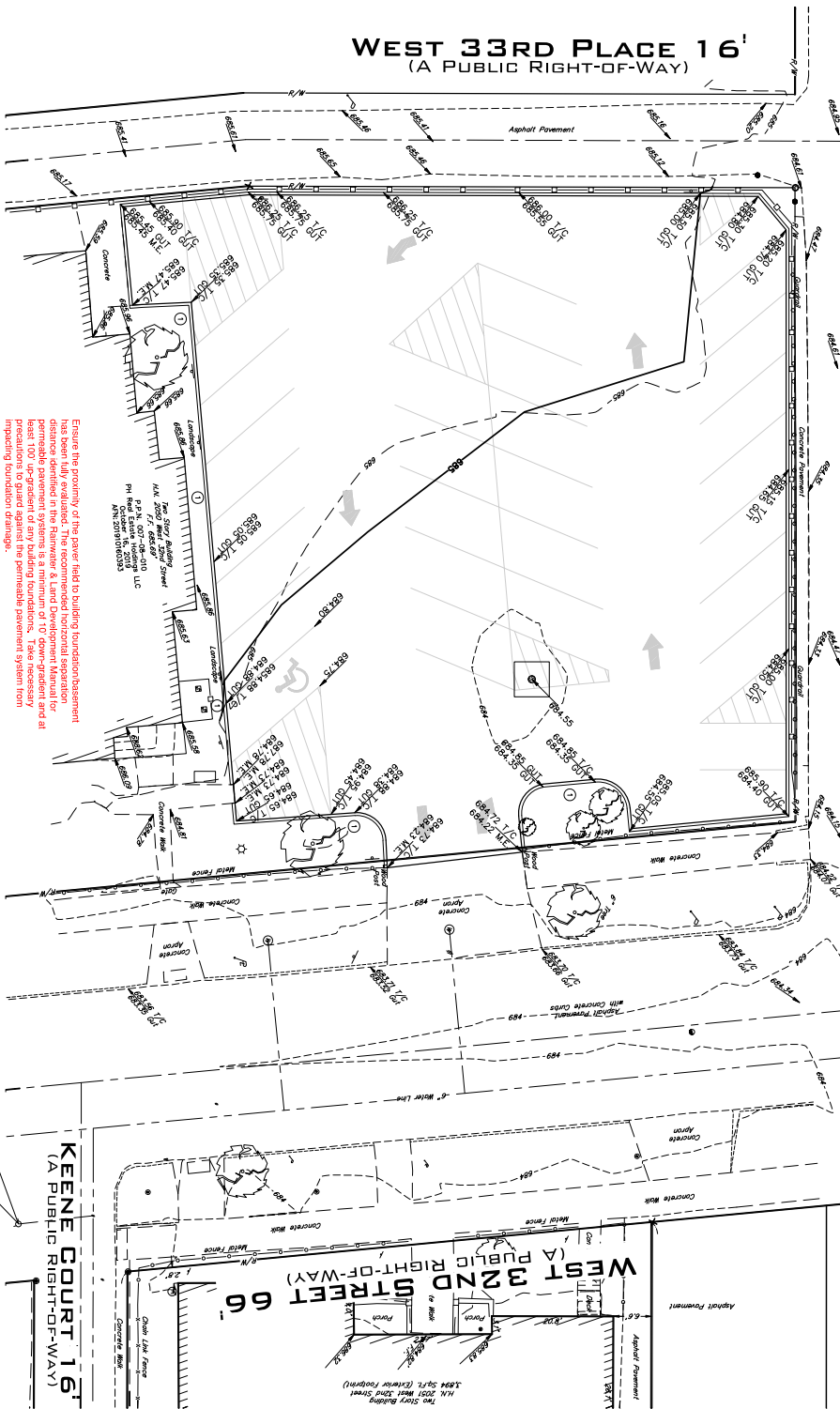
BOOK #3, SHEET #23

 <b>OGUPUS &amp; ASSOCIATES</b> 1800 W. 17TH ST. CLEVELAND, OH 44115 (216) 763-1234 <b>C4.01</b>	<b>PROVIDENCE HOUSE WEST GIG PERMEABLE PAVER PARKING LOT</b> WEST 32ND STREET CLEVELAND, OHIO UTILITY PLAN	ISSUED FOR: <b>PERMIT</b> DATE: <b>4/1/2020</b> NOT FOR CONSTRUCTION	PLAN REVISIONS: 1 9-500
 <b>RIVERSTONE</b> LAND SURVEYING - ENGINEERING - DESIGN 3800 LAKEBRIE AVENUE, SUITE 100 CLEVELAND, OHIO 44115 PHONE: (216) 491-2000 FAX: (216) 491-9640 WWW.RIVERSTONEDESIGN.COM	 CITY OF OHIO DIVISION OF PUBLIC SAFETY PLANNING & DESIGN 160 EAST WILSON AVENUE CLEVELAND, OHIO 44115 (216) 491-2121		



**WEST 33RD PLACE 16'**  
(A PUBLIC RIGHT-OF-WAY)

**DOLLAR COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)



Ensure the proximity of the paver field to building foundations has been fully evaluated. The recommended horizontal separation of permeable pavement systems is a minimum of 10' down-gradient and at least 100' up-gradient of any building foundations. Take necessary precautions to guard against the permeable pavement system from impacting foundation drainage.

**KEENE COURT 16'**  
(A PUBLIC RIGHT-OF-WAY)

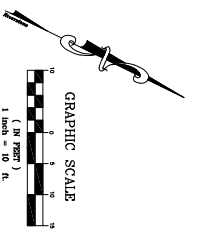
7.84M, 41  
TOP HIGHS OF PERMANENT ELEVATIONS: 985.25

CONTROL POINTS	POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
	402	SPICE N. TREE LANE WEST 2ND	8603.7940	1684.47	984.47
	403	SPICE N. TREE LANE WEST 2ND	8177.9720	12844.8320	984.02
	409	SPICE N. TREE LANE WEST 2ND	8797.7920	12844.8320	984.44
	4011	MAC W. LN. EAST SIDE OF	8675.3540	12725.7920	984.63

GRADING PLAN NOTES:  
 1. GRADE TO BE EXAMINED BETWEEN EDGE OF PAVED AND BRUSH/LANDSCAPE AREA TO ENSURE A SMOOTH TRANSITION.

**LEGEND**

- 1. Monument Box Found
- 2. 1/2" Iron Pin Set and
- 3. 1/4" Iron Pin Set and
- 4. 1/8" Iron Pin Set and
- 5. 1/4" Iron Pin Set and
- 6. 1/2" Iron Pin Set and
- 7. 1/4" Iron Pin Set and
- 8. 1/8" Iron Pin Set and
- 9. 1/4" Iron Pin Set and
- 10. 1/2" Iron Pin Set and
- 11. 1/4" Iron Pin Set and
- 12. 1/8" Iron Pin Set and
- 13. 1/4" Iron Pin Set and
- 14. 1/2" Iron Pin Set and
- 15. 1/4" Iron Pin Set and
- 16. 1/8" Iron Pin Set and
- 17. 1/4" Iron Pin Set and
- 18. 1/2" Iron Pin Set and
- 19. 1/4" Iron Pin Set and
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- 21. 1/4" Iron Pin Set and
- 22. 1/2" Iron Pin Set and
- 23. 1/4" Iron Pin Set and
- 24. 1/8" Iron Pin Set and
- 25. 1/4" Iron Pin Set and
- 26. 1/2" Iron Pin Set and
- 27. 1/4" Iron Pin Set and
- 28. 1/8" Iron Pin Set and
- 29. 1/4" Iron Pin Set and
- 30. 1/2" Iron Pin Set and
- 31. 1/4" Iron Pin Set and
- 32. 1/8" Iron Pin Set and
- 33. 1/4" Iron Pin Set and
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- 92. 1/8" Iron Pin Set and
- 93. 1/4" Iron Pin Set and
- 94. 1/2" Iron Pin Set and
- 95. 1/4" Iron Pin Set and
- 96. 1/8" Iron Pin Set and
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- 99. 1/4" Iron Pin Set and
- 100. 1/8" Iron Pin Set and



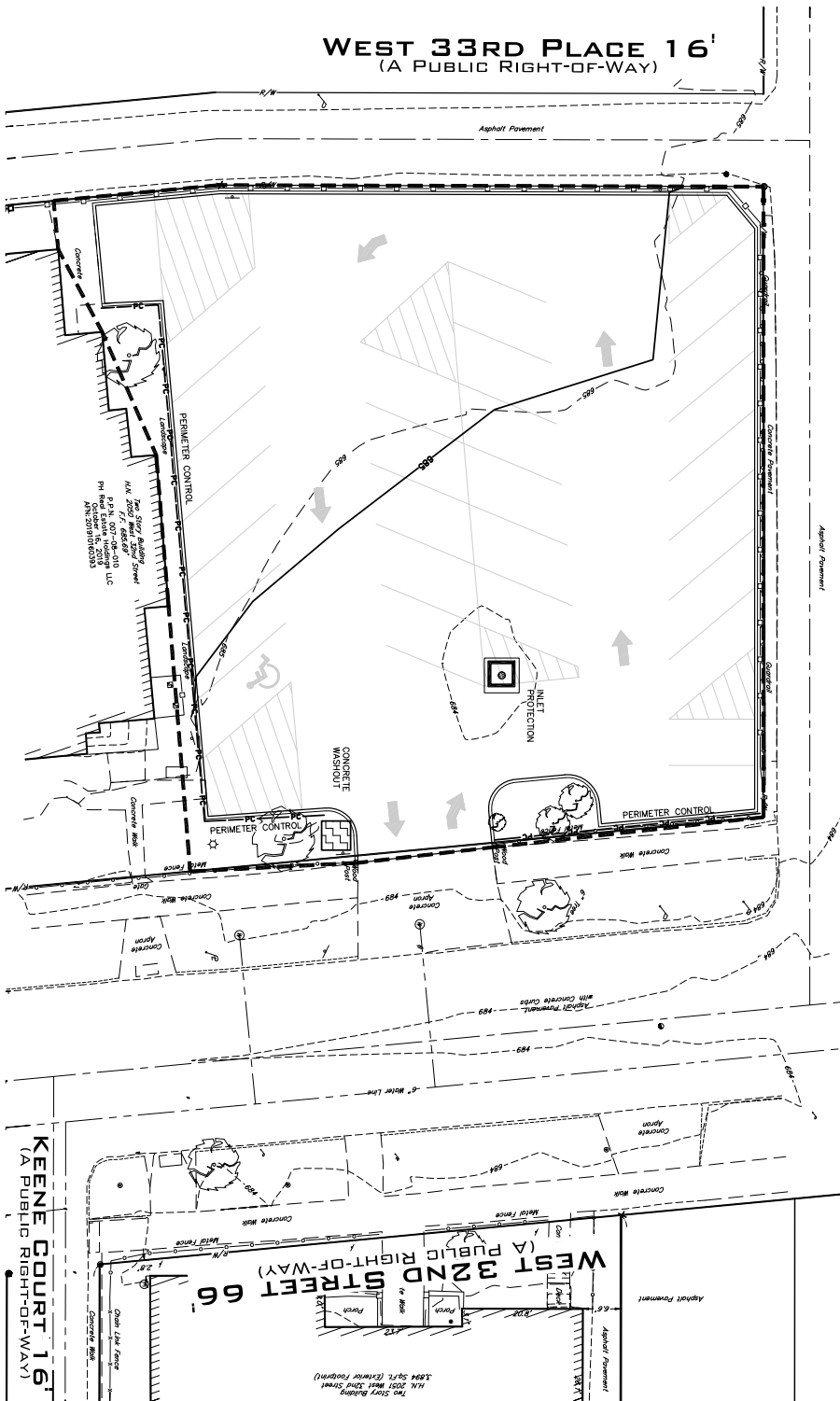


# WEST 33RD PLACE 16'

(A PUBLIC RIGHT-OF-WAY)

# DOLLAR COURT 16'

(A PUBLIC RIGHT-OF-WAY)

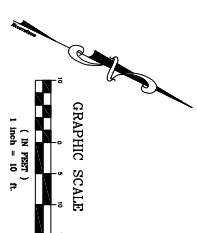


Two Story Building Street  
 1042 33rd St. #200  
 P.O. Box 10420  
 Cleveland, OH 44110  
 For more information  
 call (216) 491-5000

Two Story Building  
 1042 33rd St. #200  
 Cleveland, OH 44110  
 For more information  
 call (216) 491-5000

**GENERAL SWPPP NOTES:**  
 TOTAL LOT AREA = 0.78 ACRES  
 TOTAL PERMEABLE PAVEMENT AREA = 0.57 ACRES  
 LESS THAN 0.5 ACRES DISTURBED.  
 A COPY OF THE SWPPP AND ALL ADDENDUM TO THE SWPPP SHALL BE KEPT ON SITE AT ALL TIMES.  
 ALL PERMITS AND SEVERAL ORDINANCES MUST BE OBTAINED AS PER ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.  
 EROSION CONTROL BLANKETS WITH MATING SHALL BE USED ON SLOPES GREATER THAN 3:1.  
 ONCE THE SITE HAS BEEN STABILIZED AND PROPER AUTHORIZATION HAS BEEN OBTAINED, CONSTRUCTION STOPS MAY BE RESUMED.  
 SWPPP CHANGES & AMENDMENTS: ALL CHANGES AND AMENDMENTS TO THE SWPPP MUST BE APPROVED BY THE RIVERSTONE COMPANY.  
 THE RIVERSTONE COMPANY  
 3800 LAKEBRIE AVENUE - SUITE 100  
 CLEVELAND, OH 44110  
 PHONE: (216) 491-5000

- SWPPP LEGEND:**
- PC — PERIMETER CONTROL, SEE FIG. 505
  - CONSTRUCTION LIMITS
  - CONCRETE WASHOUT
  - INLET PROTECTION



<b>C7.01</b>	 OGPURS & Associates, Inc. 1042 33rd St. #200 Cleveland, OH 44110 Phone: (216) 491-5000	<b>PROVIDENCE HOUSE WEST GIG PERMEABLE PAVER PARKING LOT</b> WEST 32ND STREET CLEVELAND, OHIO SWPPP	ISSUED FOR: <b>PERMIT</b> 4/1/2020 NOT FOR CONSTRUCTION	PAGE REVISIONS: _____ _____ _____	PLAN REVISIONS: _____ _____ _____	<b>19-500</b> PLAN REVISIONS: _____ _____ _____	 <b>RIVERSTONE</b> LAND SURVEYING - ENGINEERING - DESIGN 3800 LAKEBRIE AVENUE - SUITE 100 CLEVELAND, OH 44110 PHONE: (216) 491-5000 FAX: (216) 491-9640 WWW.RIVERSTONEDESIGN.COM	
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**SILT FENCE**  
DESCRIPTION:  
A SEMI-TEMPORARY PRACTICE UTILIZING A GEOTEXTILE FENCE, POSTS, AND VEGETATION TO...  
DESIGN CRITERIA:  
SILT FENCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...

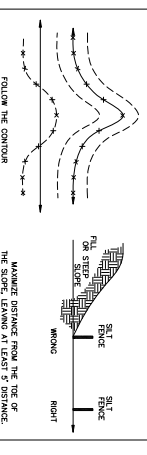
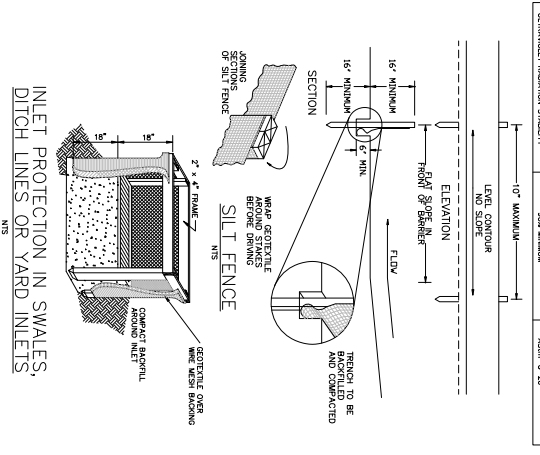


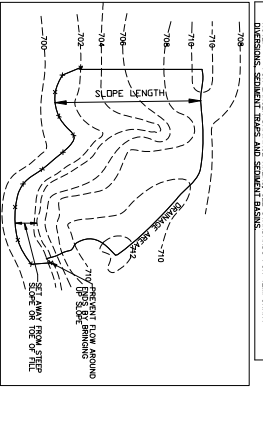
TABLE PROPERTIES	VALUES	TEST METHOD
GRID TENSILE STRENGTH	50 LB MINIMUM	ASTM D 1682
WALKER FOOT STRENGTH	190 PSF MINIMUM	ASTM D 2796
SLOPE TOE TENSILE	0.3 OZ./INCH <sup>2</sup> 25 FT. MINIMUM	US DCS STATE CD-22016
STANDARD OPENING SIZE	40-80	
UNLATERAL MOVEMENT STABILITY	30% MINIMUM	ASTM D 526



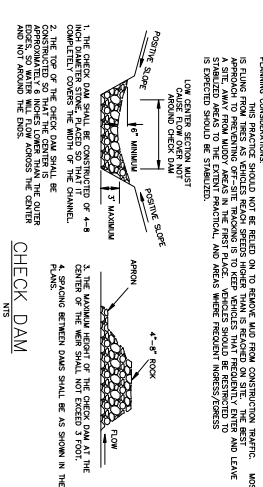
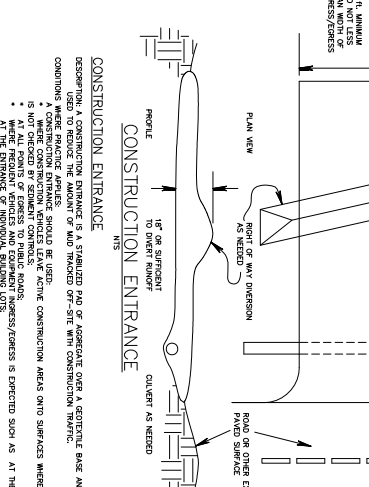
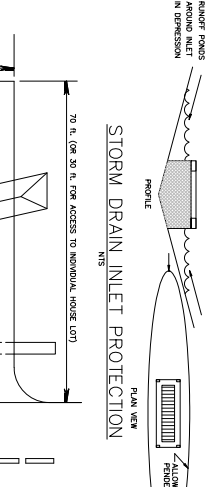
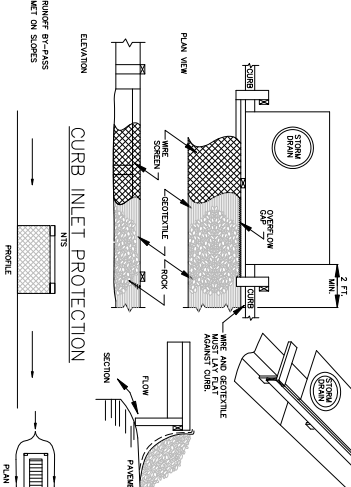
**PLANNING CONSIDERATIONS:**  
SILT FENCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...  
DESIGN CRITERIA:  
SILT FENCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...

1. RAINFALL PROTECTION SHALL BE PLACED ON THE LEAST STEEP SLOPE...
2. SILT FENCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...
3. THE DISTANCE FROM THE FACE OF THE SLOPE...
4. THE DISTANCE FROM THE FACE OF THE SLOPE...
5. THE DISTANCE FROM THE FACE OF THE SLOPE...
6. THE DISTANCE FROM THE FACE OF THE SLOPE...
7. THE DISTANCE FROM THE FACE OF THE SLOPE...
8. THE DISTANCE FROM THE FACE OF THE SLOPE...
9. THE DISTANCE FROM THE FACE OF THE SLOPE...
10. THE DISTANCE FROM THE FACE OF THE SLOPE...

SLOPE	ELEVATION	MINIMUM SLOPE LENGTH (FT.)
0% - 2%	1501 - 1511	250
2% - 10%	101 - 1011	125
10% - 20%	101 - 511	100
20% - 33%	51 - 511	75
33% - 50%	31 - 211	50
> 50%	> 211	25



**STORM DRAIN INLET PROTECTION**  
DESCRIPTION:  
A SEMI-TEMPORARY PRACTICE UTILIZING A GEOTEXTILE FENCE, POSTS, AND VEGETATION TO...  
DESIGN CRITERIA:  
STORM DRAIN INLET PROTECTION SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...



**CONSTRUCTION ENTRANCE**  
DESCRIPTION:  
A SEMI-TEMPORARY PRACTICE UTILIZING A GEOTEXTILE FENCE, POSTS, AND VEGETATION TO...  
DESIGN CRITERIA:  
CONSTRUCTION ENTRANCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...

1. CONSTRUCTION ENTRANCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...
2. THE DISTANCE FROM THE FACE OF THE SLOPE...
3. THE DISTANCE FROM THE FACE OF THE SLOPE...
4. THE DISTANCE FROM THE FACE OF THE SLOPE...
5. THE DISTANCE FROM THE FACE OF THE SLOPE...
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8. THE DISTANCE FROM THE FACE OF THE SLOPE...
9. THE DISTANCE FROM THE FACE OF THE SLOPE...
10. THE DISTANCE FROM THE FACE OF THE SLOPE...

1. CONSTRUCTION ENTRANCE SHALL BE PLACED ON THE LEAST STEEP SLOPE...
2. THE DISTANCE FROM THE FACE OF THE SLOPE...
3. THE DISTANCE FROM THE FACE OF THE SLOPE...
4. THE DISTANCE FROM THE FACE OF THE SLOPE...
5. THE DISTANCE FROM THE FACE OF THE SLOPE...
6. THE DISTANCE FROM THE FACE OF THE SLOPE...
7. THE DISTANCE FROM THE FACE OF THE SLOPE...
8. THE DISTANCE FROM THE FACE OF THE SLOPE...
9. THE DISTANCE FROM THE FACE OF THE SLOPE...
10. THE DISTANCE FROM THE FACE OF THE SLOPE...

**CHECK DAM**  
DESCRIPTION:  
A SEMI-TEMPORARY PRACTICE UTILIZING A GEOTEXTILE FENCE, POSTS, AND VEGETATION TO...  
DESIGN CRITERIA:  
CHECK DAM SHALL BE PLACED ON THE LEAST STEEP SLOPE...  
CONSTRUCTION SHALL BE COMPLETED WITHIN 72 HOURS...

**OGPUS**



**PROVIDENCE HOUSE WEST**  
GIG PERMEABLE PAVEMENT LOT  
WEST 32ND STREET  
CLEVELAND, OHIO

Issued FOR PERMIT 4/1/2020 NOT FOR CONSTRUCTION

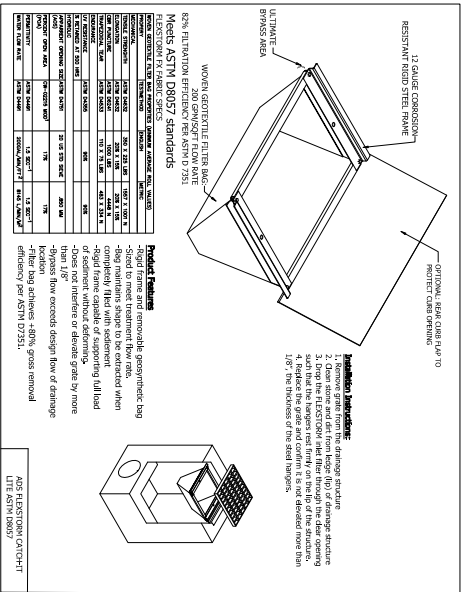
179-500  
PLAN REVISIONS:

67.02



**OGPUS**  
OGPUS is a division of  
**RIVERSTONE**  
LAND SURVEYING - ENGINEERING - DESIGN  
3800 LAKEBRIAR AVENUE - SUITE 100  
CLEVELAND, OHIO 44115-2721  
PHONE: (216) 491-6100  
WWW.RIVERSTONE-SURVEY.COM





**PROPOSED FILTER BAG TYPES**

TYPE	LENGTH	WIDTH	WEIGHT	RETENTION EFFICIENCY (%)
12 GAUGE COMPRESSION RESISTANT STEEL FRAME	300" (25')	300" (25')	150 LBS	82%
12 GAUGE COMPRESSION RESISTANT STEEL FRAME	300" (25')	300" (25')	150 LBS	82%
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**Product Features**

- Rigid frame and removable geotextile bag
- Slight inward curvature for removal
- Slight inward curvature for removal when completely filled with sediment
- Slight frame capable of supporting full load
- Does not interfere or obstruct grate by more than 1/8" flow restrict design flow of drainage
- Filter bag allows 85% gross removal efficiency per ASTM D 2918.

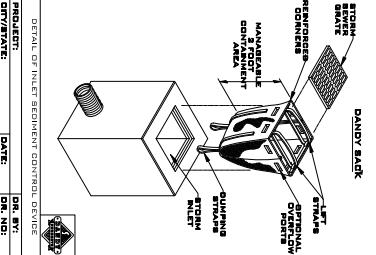
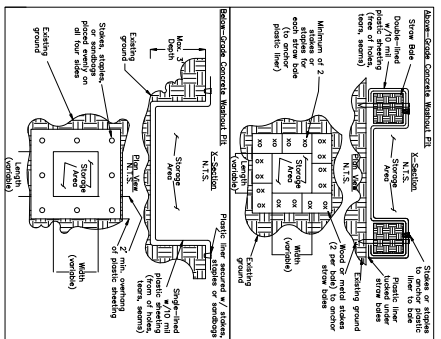
**AST FLEXTRONIC CONCRETE LITE ASTM 18007**

**Concrete Washout Access**

**Installation:**

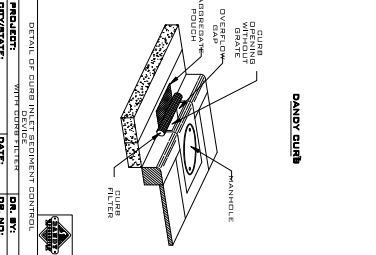
1. Washout access must not be placed in the drainage ditch, storm drain, or any other water conveyance and must not be situated on a slope of 1:1 or greater.
2. Find the flow direction from drainage structures within 10 ft. of the same and install the access in the flow direction.
3. The access must be installed in a location that allows for easy access to the access.
4. The access must be installed in a location that allows for easy access to the access.
5. The access must be installed in a location that allows for easy access to the access.
6. Once the access is installed, it must be tested to ensure the flow is correct.
7. The access must be tested to ensure the flow is correct.
8. The access must be tested to ensure the flow is correct.
9. The access must be tested to ensure the flow is correct.
10. The access must be tested to ensure the flow is correct.

Block - grade (2-ft depth)	Width	Length	# of concrete blocks specified to on site*	Block - grade (2-ft depth)	Width	Length	# of concrete blocks specified to on site*
2-3	3	3	2	3-4	3	3	3
4-5	3	3	3	5-6	3	3	4
6-7	3	3	4	7-8	3	3	5
8-10	3	3	5	11-12	3	3	6
11-14	3	3	6	15-17	3	3	7
				18-20	3	3	8



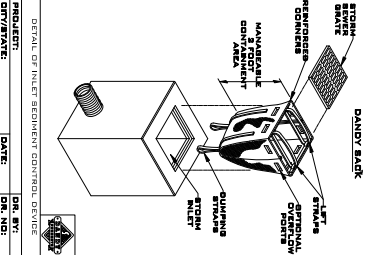
**DANDY CURB GRATE**

Block - grade (2-ft depth)	Width	Length	# of concrete blocks specified to on site*
2-3	3	3	2
4-5	3	3	3
6-7	3	3	4
8-10	3	3	5
11-14	3	3	6
15-17	3	3	7
18-20	3	3	8



**DANDY CURB GRATE**

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**DANDY CURB GRATE**

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8-10	3	3	5
11-14	3	3	6
15-17	3	3	7
18-20	3	3	8

**C7.04**

**OGPUS & ASSOCIATES**  
LAND SURVEYING - ENGINEERING - DESIGN

**PROVIDENCE HOUSE WEST  
GIG PERMEABLE PAVEMENT LOT**  
WEST 32ND STREET  
CLEVELAND, OHIO

SWPPP

**19-500**

PLAN REVISIONS:

ISSUED FOR PERMIT: 4/1/2020

NOT FOR CONSTRUCTION

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