APPROVAL BY:

APPROVED BY LETTER

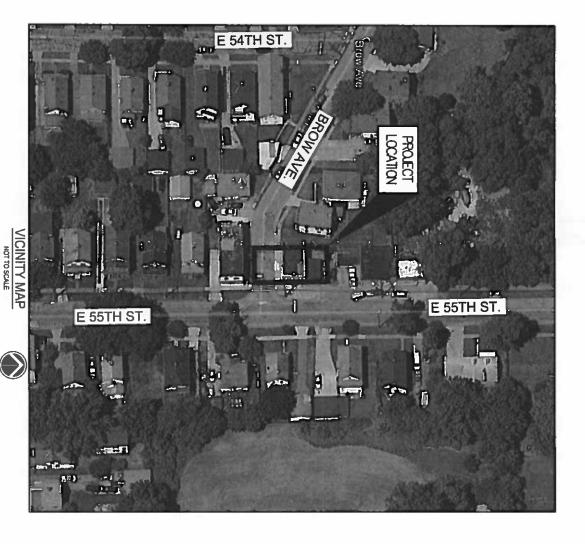
APPROVAL BY:

DAVID G. KROCK, VILLAGE OF NEWBURGH HEIGHTS ENGINEER

**ENGINEERING APPROVALS** 

DATE 8/13/2015

NORTHEAST OHIO REGIONAL SEWER DISTRICT



## SHEET INDEX

- 1 Title Sheet

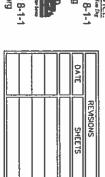
- 2 Existing Conditions
  3 Demolition Plan
  4 Site Plan
  5 Utility Plan
  6 Grading Plan
  7 Sediment Control Plan
  8 Landscape Plan
  9 Traffic Control Plan
- 10 Site Details11 Utility & Bioretention Details12 Landscape Plan Details13 Abbreviated SWPPP Details



Lines labled "-G " or " Gas-" represent DEO facilities on this set of plans

DEO = The East Ohio Gas Company, dba Dominion East Ohio 1-800-362-7557

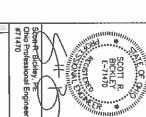
GAS NOTE



**VILLAGE of NEWBURGH HEIGHTS BROW AVENUE GREEN INFRASTRUCTURE PROJECT** 

TITLE SHEET

1 of 13





Brow Avenue Green Infastructure Project

Brow Ave. & East 55th St.

Village of Newburgh Heights

Cuyahoga County, Ohio

August, 2015

LA EX. TREELINE **EXISTING LEGEND** [] III EX. DRAINAGE STRUCTURE

MONUMENT BOX 4 ₹1 € 0 EX. 5 FOOT CONTOUR EX. 1 FOOT CONTOUR EX. GAS VALVE EX. STORM/COMBINATION SEWER EX. WATERLINE EX. UTILITY POLE EX. FENCE EX. SIGN EX. WATER VALVE EX. COMBINATION MANHOLE EX WATER METER EX. SAMITARY SEWER EX. GAS LINE PARCI JS1116099 MEI, WLIAM & TAMMY S413 BROW AVENUE NEMBURCH HEIGHTS, OH 44105 T. No. C. PARCEL JOTHODO FIRST LIGHT CLEVELAND LLC 5416 BROW AVENUE NEMBURGH HEIGHTS, OH 44105 EX. COMB. MH 228 TOP = 698.16 INV. = NO INFO The Shoot to WW YORK YO PARCEL JOINEOSS BALDYCA, STANLEY & CHRISTINE SAIT BROW ANDLE NEMBURCH HEIGHTS, OH 44105 698 € R/W 698 -W- 6 WATER B COMB PARCEL JOHNSHIS
BUY KNW LLC
3862 E. 55 STREET
NENBURGH HEIGHTS, OH 44105 EX. CONC. WALK EX. COMB. MH 215 10P = 697.24 MV. = 691.94 (12"NE) INV. = 688.62 (18"E, W) S EX LAWN EX. CONC. WALK TREELAWN\_\_\_\_ PARCEL (51116997 THE VILLACE OF NEWBURCH HEICHTS 3552 BROW ANDINE NEWBURCH HEICHTS, OH 44105 TOP = 696.53 PARCE JOHISHZ IORESS, JAMES T. E. 55 STREET NEMBURCH HEIGHTS, OH 44105 EX. CONC./ASPH. LOT 693 - 869 -EX. R/W— EX. R/W EX. CONC. WALK EX. CONC. WALK EX. ASPH. DRIVE 9 BAR MARKING 000 18 COMB. 21 COMB. 21" COMB. 6" WATER 6" WATER BN# 315 ----EX. R/W---- EX. R/W EX. COMB. MH 165 TOP = 696.64 INV. = 688.55 (18"W) INV. = 686.79 (21"S) INV. = 686.77 (21"N) EX. COMB. MH 173 TOP = 697.37 INV. = NO INFO PARCE JIZIGOS SIGNEONSKY, JALIA J957 E. 55 STREET GENELAND, OH 44105

OHIO
Utilities Protection
SERVICE
SUBJECT Part For Part F 800-925-0988 or 8-1-1 www.ogpups.org OGPUPS 🕦

FLOODPLAIN

NO FLOODPLAIN EXISTS ON OR ADJACENT TO PROPOSED SITE IMPROVEMENTS PER FEMA ISSUED FLOOD MAP #39035C0184E, EFFECTIVE DATE DECEMBER 3, 2010.

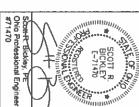
SIDE OF E SSTH BENC METAL PIN LOCATED IN WEST POWER POLE ON EAST SIDE OF STREET. MARK No. 15



GRAPHIC SCALE

DEET CITYVILLAGETOWNSHIP VILLAGE of NEWBURGH HEIGHTS 2 of 13 **BROW AVENUE GREEN INFRASTRUCTURE PROJECT EXISTING CONDITIONS** 

DRAWING PATH: S:KEE5, Village of Newburgh Heights 9 PUBLIC PROJECTS 3 PROJECTS 415767) 8





OHIO
Utilities Protection
SERVICE
SERVICE
Call Refer You Day
800-362-2764 or 8-1-1
www.oups.org 800-925-0988 or 8-1-1 www.ogpups.org OGPUPS A EXISTING LEGEND EX. DRAINAGE STRUCTURE X5 4 X1 ⊖ € EX. TREELINE EX. 1 FOOT CONTOUR EX. GAS VALVE EX. GAS LINE EX. STORM/COMBINATION SEWER EX. WATERLINE EX. UTILITY POLE EX. 5 FOOT CONTOUR EX. FENCE EX. SIGN EX. WATER VALVE EX. COMBINATION MANHOLE EX. WATER METER EX. SANITARY SEWER MONUMENT BOX WEYNOTES

① 25 LF, FULL DEPTH SAW CUT
② 56 LF, FULL DEPTH SAW CUT
③ CONTRACTOR TO BEGIN REMOVAL OF SDEWALK AT NEAREST CONSTRUCTION JOINT
④ PAVEMENT BUILD UP WAY INCLUDE ASPHALT, CONCRETE, OR BRICK. 1. CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING, AND MAINTAINING THE WORKING CONDITION OF ALL EXISTING UTILITIES AND STRUCTURES THAT ARE TO REMAIN ON SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE AT THEIR OWN EXPENSE ANY UTILITIES OR STRUCTURES DAMAGED BY CONSTRUCTION TO THE OWNERS SATISFACTION.

2. CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING AND/OR RECYCLING OF ALL DEMO (TEMS. Θ/ CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTS WITH EACH UTILITY OWNER PRIOR TO DISCONNECTION AND REMOVALS. DEMOLITION PLAN NOTES 869 0 0000 P 70 LF. EX. CONC./SANDSTONE CURBING TO BE REMOVED! TO BE REMOVED TO BE REMOVED DEMOLITION AREAS 00 EX. SIDEWALK/CURB
(INSIDE OF R/W)
TO BE REMOVED TO BE REMOVED EX. PAVEMENT/CURB TO BE REMOVED EX. BUILDING AND WALK (OUTSIDE OF R/W)
TO BE REMOVED BY OTHERS EX. R/W----ÈX. R/W EX. ASPHALT DRIVE Θ 115 LF. EX. 12" STM SEWER TO BE REMOVED LEX CB TO BE REMOVED EX. STOP SKAN TO BE REDUCED FROM EX. UTILITY POLE) CURBING TO BE REMOVED EX. STOP AHEAD SIGN TO BE REMOVED FROM EX. UTILITY POLE (APPROXIMATELY 375' NORTH OF BROW AYENUE &) TREMOYED FROM EX. PAYEMENT BM #15. BENCI BM# 15 METAL PIN LOCATED IN WEST POWER POLE ON EAST SIDE OF STREET. REMOVED HMARK No. 15 EX. STOP SON TO BE REMOVED FROM EX PAVEMENT EX. R/W GRAPHIC SCALE BRECKSYLLE, ONO 44141 330.657 2145 OHIL-ADVISORS.COM VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT** 

3 of 13

**DEMOLITION PLAN** 

DRAWING PATH: SIKEES, Village of Newburgh Heighters PUBLIC PROJECTS(3 PROJECTS(15787) B

OHIO
Utilities Protection
SERVICE
SERVICE
LARBetry to Do
800-362-2764 or 8-1-1
www.oups.org
OGPI IDC 800-925-0988 or 8-1-1 www.ogpups.org OGPUPS 🕰 EX. TREELINE EXISTING LEGEND [ ] III EX. DRAINAGE STRUCTURE X ! 💍 😤 0 EX. 5 FOOT CONTOUR EX. GAS VALVE EX. STORM/COMBINATION SEWER EX. 1 FOOT CONTOUR EX. SIGN EX. WATER VALVE EX. WATER METER EX. GAS LINE EX. UTILITY POLE MONUMENT BOX EX. FENCE EX. COMBINATION MANHOLE EX. SANITARY SEWER

PARCEL JOSTIGOSS
MEE MELIAM & TAMMY
SAIJ BROW AVENUE
AUNBURCH HERCHIS, OH 44105

PARCE JSTITIOSS
BALDICA STANLEY & OMISTINE
SAIT BROW ANDRUE
NENBURCH HEICHTS, OH 44105

0

ፅ

φ

PARCEL JOSHIGHZ
NOESS JAMES T.
E 55 STREET
NEWBURCH HEIGHTS, OH 44105

-EX. R/W —

W. C.



KEYNOTES

PROPOSED CONCRETE PAVEMENT (MATCH EXISTING ROADWAY GRADE) SEE DETAIL ON SHT. 10

PROPOSED LANDSCAPED ISLAND

PROPOSED WHITE VINTA FENCE LIMIT OF PROPOSED BIOSWALE SEE DETAIL ON SHT, 11

(1) PROPOSED TRENCH DRAIN, SEE DETAIL SHT. 10
(12) PROPOSED LOCAL DEPRESSION/TURF SACRIFICE AREA
(13) 35 L.F. PROP. CONCRETE BUFFER STRP. TO MATCH PROP. PANEMENT GRADE. SEE DETAIL SHT. 10
(14) PROPOSED CURB TAPER, SEE DETAIL SHT. 10

(1) MATCH EXISTING PANEMENT ELEVATION
(2) PROVIDE TRANSITION TO EXISTING CIUBB AS NEEDED TO MATCH TOP OF CURB ELEVATION
(3) 10 S.Y. CONC. DRIVE APRON. SEE DETAIL SHT. 10
(4) PROPOSED 750 S.F. CONC. SDEWALK, SEE DETAIL SHT. 10
(5) TRANSITION SDEWALK MOTH FROM 5' TO 6' OVER APPROX. 15 L.F. TO MATCH EXISTING WALK
(6) PROPOSED CURB TAPER FROM 6' TO EXISTING CURB HEIGHT, OVER 1 L.F.
(7) 105 L.F. PROP 0001 TYPE 6 CONC. CURBING, SEE DETAIL SHT. 10
(8) BECIN CONC. CURBING WITH TAPER FROM 6' TO 6' OVER 1 L.F.
(9) 48 L.F. PROP. 4' TALL WHITE VANL FERCING, SEE DETAIL SHT. 10
(10) PROVADE A TAPER OF THE EXISTING CURB FROM 6" TO 0' OVER 1
L.F. AS MEEDED, 10 PROVIDE SMOOTH TRANSITION INTO EXISTING
GRADE

BENC BM #15, SIDE OF E. SSTH ELEV -METAL PIN LOCATED IN WEST POWER POLE ON EAST SIDE OF STREET. 698.83 HMARK No. 15

GRAPHIC SCALE

BRECKSVILLE, OHO 44141 SDL657.2145 OHILADVISORS.COM

SHEET 4 of 13 VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT** SITE PLAN

CONTROLL OF WALLS AND WRITTEN MATERIALS APPEARING HEREN CONSTITUTE THE ORIGINAL AND LAPUBLISHED WORK OF CHAINANT IN-SAME MAY NOT BE DUPL CATED DISTRIBUTED ON DISCUSSED WITHOUT PRIOR WRITTEN CONSENT OF C

----EX. R/W-

DRAWING PATH: S.KEE'S Village of New

PARCE JOTIEGOS FRST WAIT GEVELAND LLC 5416 BROW AVENUE NEMBURCH FEIGHTS, OH 44105

PARCEL JOTHERS
BUY KINK (LC
3862 E 55 STREET
NEWBURCH HEIGHTS, OH 44105

-- EX. R/W-

No.

4.5

Θ

6

0

5

മ

ŝ

BM# 15

STORM SEWER STRUCTURES ➤ PROP DOOT CB 2-3 (MODIFIED)
OUTLET STRUCTURE
(SEE DETAIL SHT. 11)
RM = 895.00
RV. = 892.00 (12"5)
INV. = 892.50 (8"N) (AFTER ELBOW) LX EX. TREELINE PROPOSED LEGEND EXISTING LEGEND [] III EX DRAWAGE STRUCTURE X5 4 X1 € € O EX UTILITY POLE PROP. CB PROP STORM SEWER EX GAS VALVE EX. SANITARY SEWER EX. GAS LINE EX. STORM/COMBINATION SEWER
EX. WATERLINE EX. 5 FOOT CONTOUR EX. I FOOT CONTOUR EX. FENCE EX. SIGN EX. WATER VALVE EX. COMBINATION MANHOLE EX. WATER METER MONUMENT BOX (1) USE HYDRAULIC CEMENT TO CREATE WATERTICHT SEAL BETWEEN PROPOSED WOP PIPE AND EX. BRICK COMBINATION MANIGLE \$715. USE FERNOD ADAPTOR ITO CONNECT PROPOSED WOR PIPE TO PROPOSED WOP PIPE. CONCRETE ENCASE FERNOD TO PREVENT FIPE SEPNATION.

(2) EX. 6" UNE VALVE TO BE ADJUSTED TO CRADE AS PER ODOT ITEM 638.

(3) EX. WATER SERVICE CONNECTION TO BE PAUGOSED AND ABONDONED BY THE CLEVELAND WATER DAYSON. CONTRACTOR WILL HAVE TO COORDINATE WITH THE CLEVELAND WATER DAYSON WHEN THIS DAYSON WHEN THE DAYSON WHEN THIS DAYSON WHEN THE DAYSON WHEN THIS DAYSON WHEN THE DAYSON W EX. COMB. MH 228 TOP = 698.16 INV. = NO INFO € R/W 6" WATER EX COMB. MH 215

109 = 697.24

INV = 691.94 (1274E)

HIV = 688.62 (1875.W)

ADJUST RIM TO 689.20

INV. = 691.94 (127N) 18 COMB SEE SHY 11 FOR 9 PROVIDE WATER HIGHT SEAL Θ > EX. R/W--- EX. R/W-ISTM. SEWER @ 0.5X FERNO Θ 17 LF. PROP. 12" PVC 9 MOLEVO 18" COMB. 21" COMB. 21" COMB. 6" WATER ----EX. R/W---- EX. R/W-EX. COMB. MH 1 TOP = 696.64 INV. = 688.55 ( INV. = 686.79 ( INV. = 686.77 ( ₹8,5 (18"W) (21"S) (21"N)

 CONTRACTOR IS TO FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES
PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT
WOULD PREVENT CONSTRUCTION PER THESE DOCUMENTS PRIOR TO BEGINNING
WORK. UTILITY NOTES

Onio
Utilities Protection
SERVICE
Call Depart for the tree
800-362-2764 or 8-1-1
www.oups.org

800-925-0988 or 8-1-1 www.ogpups.org

KEYNOTES

OGPUPS AB.

2 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWNOS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN IT THE AREA FOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ATTHOUGH HE DOES CETTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

WATER
CITY OF CLEVELAND DIVISION
OF WATER
CONTACT: PAYTON HALL
(216) 664-2444 GAS DOMINION EAST OHIO GAS (330) 664-2400 TELEPHONE AT&T (330) 384-8057 ELECTRIC
THE ILLUMINATING COMPANY
(440) 546-8869 SEWERS
CUYAHOGA COUNTY
PUBLIC WORKS
CONTACT: STEVE TOTH
(216) 443-8213 <u>CABLE</u> TIME WARNER (216) 575-8016

UTILITY CONTACTS

BENC METAL PIN LOCATED IN WEST POWER POLE ON EAST SIDE OF STREET. 698.83

GRAPHIC SCALE

VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT UTILITY PLAN** 

SHEET

Oi 으

겂



PROPOSED LEGEND EXISTING LEGEND EX. 1 FOOT CONTOUR

EX. 5 FOOT CONTOUR

EX. TREELIME [] III EX. DRAINAGE STRUCTURE EX. UTILITY POLE PROP CB EX. WATER VALVE EX. SIGN EX. GAS VALVE EX. STORM/COMBINATION SEWER
EX. WATERLINE
EX. GAS LINE EX. FENCE EX. COMBINATION MANHOLE EX. WATER METER EX. SANITARY SEWER MONUMENT BOX PROPOSED LOCAL DEPRESSION TURF SACRIFICE ARE 698 697.75 ---0---697.75 695.25 697 698 -- EX. R/W RIM = 695.00 CROUND = 694.00 0 BM# 15 

OHIO
Utilities Protection
SERVICE
Call Departments
800-362-2764 or 8-1-1
www.oups.org OGPUPS A

800-925-0988 or 8-1-1 www.ogpups.org

1. ALL NEW CRADED AREAS SHALL BE CRADED TO ENSURE POSITIVE ORAINAGE TO THE BIORETENTION CELL GRADING NOTES:

BENC BM #15. SIDE OF E 55TH ELEV. METAL PIN LOCATED IN WEST POWER POLE ON EAST SIDE OF STREET.

S-EET VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT GRADING PLAN** 

တ

of 13





EX. 1 FOOT CONTOUR

EX. 5 FOOT CONTOUR

EX. TREELINE CONSTRUCTION PROPOSED LEGEND EXISTING LEGEND [] III EX DRAINAGE STRUCTURE X5 4 X1 € [S] O EX UTILITY POLE PROP. CB CONCRETE WASHOUT AREA - PROP. SILT FENCE EX. GAS VALVE EX. SIGN EX. WATER VALVE EX. WATER METER MONUMENT BOX EX. COMBINATION MANHOLE EX. SANITARY SEWER I.Ma to 869 PROP. 10'X20' CONSTRUCTION ENTRANCE SEE DETAIL ON SHT. 13 PER DETAIL ON SHT. 13 IPROP. CONC. WASHOUT ISEE DETAIL ON SHT. 13 695 -869-EX. R/W--- EX. R/W-0 PQ. BM# 15 \_\_\_\_EX. R/W ------EX. R/W----

800-9**25**-0**988** or 8-1-1 www.ogpups.org OGPUPS 1

OHIO
Utilities Protection
SERVICE
SERVICE
Land Before You Dry
800-362-2764 or 8-1-1
www.oups.org

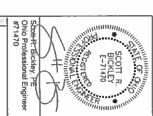
SEDIMENT CONTROL PLAN NOTES
1. CONTRACTOR IS RESPONSBLE FOR PREVENTING ANY SILT BUILD UP WITHIN THE BIOSWALE.

BENCHMARK NO. 15

BM #15, METAL PIN LOCATED IN WEST SIDE OF POWER POLE ON EAST SIDE OF E. 55TH STREET.
ELEV. = 698.83



SHEET 7 of 13 VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT** SEDIMENT CONTROL PLAN





1. STAKE ALL BED LINES AND TREE LOCATIONS FOR THE LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEPICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.

2. SECURE PLANT MATERIAL AS SPECIFED ON PLANS. IN THE EVENT THAT PLANT MATERIALS SPECIFED ARE NOT AVAILABLE. CONTACT LANDSCAPE ARCHITECT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED MITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.

VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.

4. PROTECT ALL PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES AND THE DESICCATION OF LEAVES, PROTECT ALL PLANT MATERIAL DURING SHIPPHING WITH SHADE CLOTH OR SHIP MITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE ALL TREES WITH NYLON STRAPS, NO CHAINS OR CABLES MILL BE ALLOWED. RELOYE UNACCEPTABLE PLANT MATERIAL MIMMEDIATELY FROM THE SITE.

5. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL FORMED, TRUE TO SPECIES, HARDENED OFF WITH VICOROUS ROOT SYSTEMS, FULL GROWN AND CANCORES, AND FREE FROM STREAM, PESTS AND INSECTS, AND DEFECTS SUCH AS KNOTS, SUN SCALD, WINDBURN, LEAF DIS-COLORATION, RREGULAR BRANCHING OR INJURIES.

 ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK'.

> S 己

> > 0

0 0

0

0

0 0

0 0

0 0

Ø

S

걷

0

0

0

S

0

0

В

CA

8

R

0

0

0

0 0

0

0

0

0

0

B. PROVIDE PLANT SAMPLES OR PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT FOR COMPLIANCE REVIEW PRIOR TO INSTALLATION.

9. TEST FILL ALL TREE AND PLANTING PITS WITH WATER, PRIOR TO PLANTING, TO ASSURE PROPER SCIL, PERCOLATION, PITS WHICH DO NOT ADEQUATELY DRAIN STALL BE FURTHER EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE TO OCCUR AND/OR BACKFILLED WITH SUITABLE DRAINAGE GRAVEL. NO ALLOWANCES SHALL BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL REPLACE LOST PLANT MATERIAL WITH SAME SIZE AND SPECIES AT NO ADDITIONAL COST TO OWNER.

10. ALL PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNET TYPICAL TO THE INCUSTRY STANDARDS OF THE AREA TO ASSURE COMPLETE SURVIVABILITY OF ALL INSTALLED PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT. CONTRACTOR SHALL REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WOTH OF PLANTING PITS AND BEDS, GUTING AND STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.

S

11. NO PLANTS SHALL BE PLANTED WITH IN A 2'-0"
RADIUS (GLEARANCE ZONE) ARCUND ALL ATRIUM DRAINS
LOCATED IN LANDSCAPE BEDS. CONTRACTOR SHALL MULCH
AREA ARCUND ALL ATRIUM DRAINS LOCATED IN LANDSCAPE
BEDS. REFER TO ENGINEERING DRAIMNES FOR ALL DRAIN
LOCATIONS.

LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE.

14. ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION. 13. PLANTING ISLANDS SHALL HAVE A MINIMUM OF  $\mathbf{3}^{\star}$  DEPTH,

₹

0

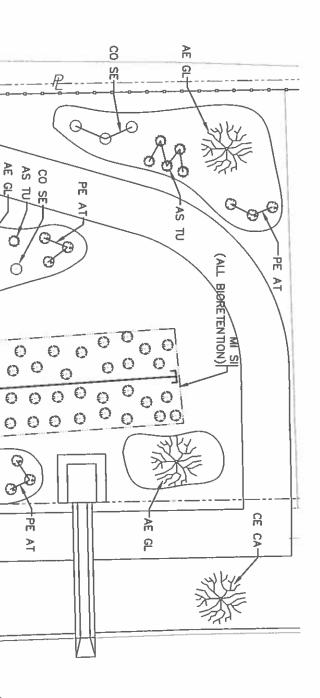
₹

Я

15. REMOVE ALL PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN ALL PAVED AND PRISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.

SEE SPECIFICATIONS FOR SEEDING INFORMATION.

 NO PERMANENT STRUCTURES, INCLUDING TREES, SHALL BE BUILT/PLANTED WITHIN 5' ON EITHER SIDE OF THE EXISTING WATERLINE OR GAS LINE. 18. NO PERMANENT STRUCTURES, INCLUDING TREES, SHALL BE BUILT/PLANTED WITHIN 10' ON EITHER SIDE OF THE EXISTING COMBINATION SEWER LINE. SEE SHEET 12 FOR ALL LANDSCAPE PLAN DETAILS.



						_	 	_		
Ut SV	3000		PE AT	CO SE	3000		CE CA	AE GL	CODE	
BUTTERFLY WEED	COMMON NAME		RUSSIAN SAGE	CARDINAL RED TWG DOGWOOD	COMMON NAME		EASTERN REDBUD	RED SUNSET RED MAPLE	COMMON NAME	
ASCLEPIAS TUBEROSA	LATIN NAME	PLANT LIST: PE	PEROVSKIA ATRIPLICIFOLIA	CORNUS SERICEA	LATIN NAME	PLANT LIST: SHRUBS	CERCIS CANADENSIS	ACER RUBRUM "FRANKSRED" RED SUNSET	LATIN NAME	PLANT LIST:
1 GAL.	SIZE	PERENNIALS	5 GAL.	5 GAL:	3ZrS	HRUBS	8' HT.	3" CAL.	SIZE	TREES
CONT	COND.	S	CONT	CONT.	COND.		8 % 8	8 & 8	COND.	
PER	SPACING		PER	PLAN	SPACING		PLAN	PLAN	SPACING	
13	QUANTITY		9	9	QUANTITY		u	Cur	QUANTITY	

		PLANT LIST: PER	PERENNIALS	S		
띭	COMMON NAME	LATIN NAME	SIZE	COND.	SPACING	QUANTITY
2	BUTTERFLY WEED	ASCLEPIAS TUBEROSA	1 GAL.	CONT	PER	13
ξī	GRACILLIMUS MAIDEN GRASS	MISCANTHUS SINENSIS 3 GAL.	3 GAL.	CONT	PLAN	80
		j				

PERMANENT SEEDING REQUIREMEN MIXTURE (RESIDENT 15 (PER 0001 659)

ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED LANDSCAPE ISLANDS & BIOSWALE SHALL BE SEEDED WITH THE PERMAKENT SEEDING LAWN MIXTURE NOTED ABOVE (PER ODOT 659)

₹

Ω

THE PROPOSED LOCAL DEPRESSION / TURE SACRIFICE AREA SHALL ALSO BE SEEDED WITH THE PERMANENT SEEDING LAWN MIXTURE NOTED ABOVE (PER ODOT 659) APPLY COMMERCIAL FERTILIZER TO ALL PROPOSED AREAS OF VEGETATION PER ODOT 659.04 ALL LANDSCAPE ISLANDS SHALL BE EDGED PER TYPICAL EDGING DETAIL SEEN ON SHT. 12 APPLY WATER TO ALL PLANTED VEGETATION PER DOOT 659.17 BIOSWALE SHALL BE FURNISHED WITH 3" DEEP COMPOST WULCH PER ODOT ITEM 659.16. ALL LANDSCAPE ISLANDS
DEEP WOOD FIBER MULCH THE PROPOSED BIOSWALE SHALL BE FURNISHED WITH 3" PER ODOT ITEM 659.15 WILL CONSIST OF ONLY

OGPUPS A

800-925-0988 or 8-1-1 www.ogpups.org

SHEET

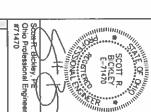
00 of 13



호 테		구체HB			
DATE	PHILIPALINGER	B40	PROJEMOR	ÇMED	COUNT
August, 2015	3006-15-0020	\$RIL	084	EBM	CUTANO

gust, 2015	3006-15-0020	\$RB	DBN	EBM	CUTAHOGA	NEWBURGH
VALL	AOE -4	NICIAIC	прен п	EICHTC	,	
VILL	AGE OI	MEAAC	BURGH H	EIGHT	•	
BRO	N AVEN	UE GR	EEN INFF	RASTRU	CTURE PF	ROJECT

BR LANDSCAPE PLAN



PLANTING LEGEND:

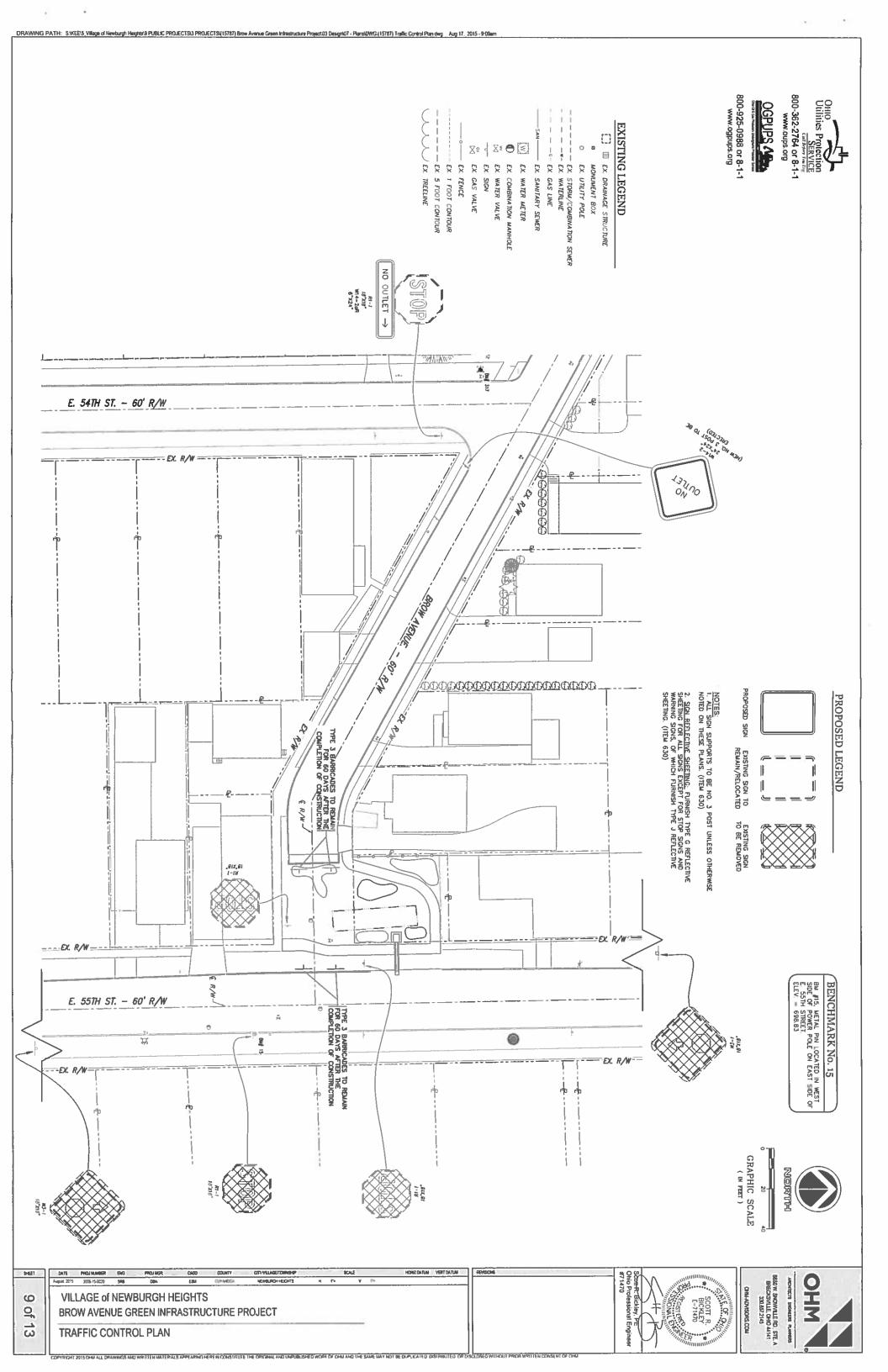
0000

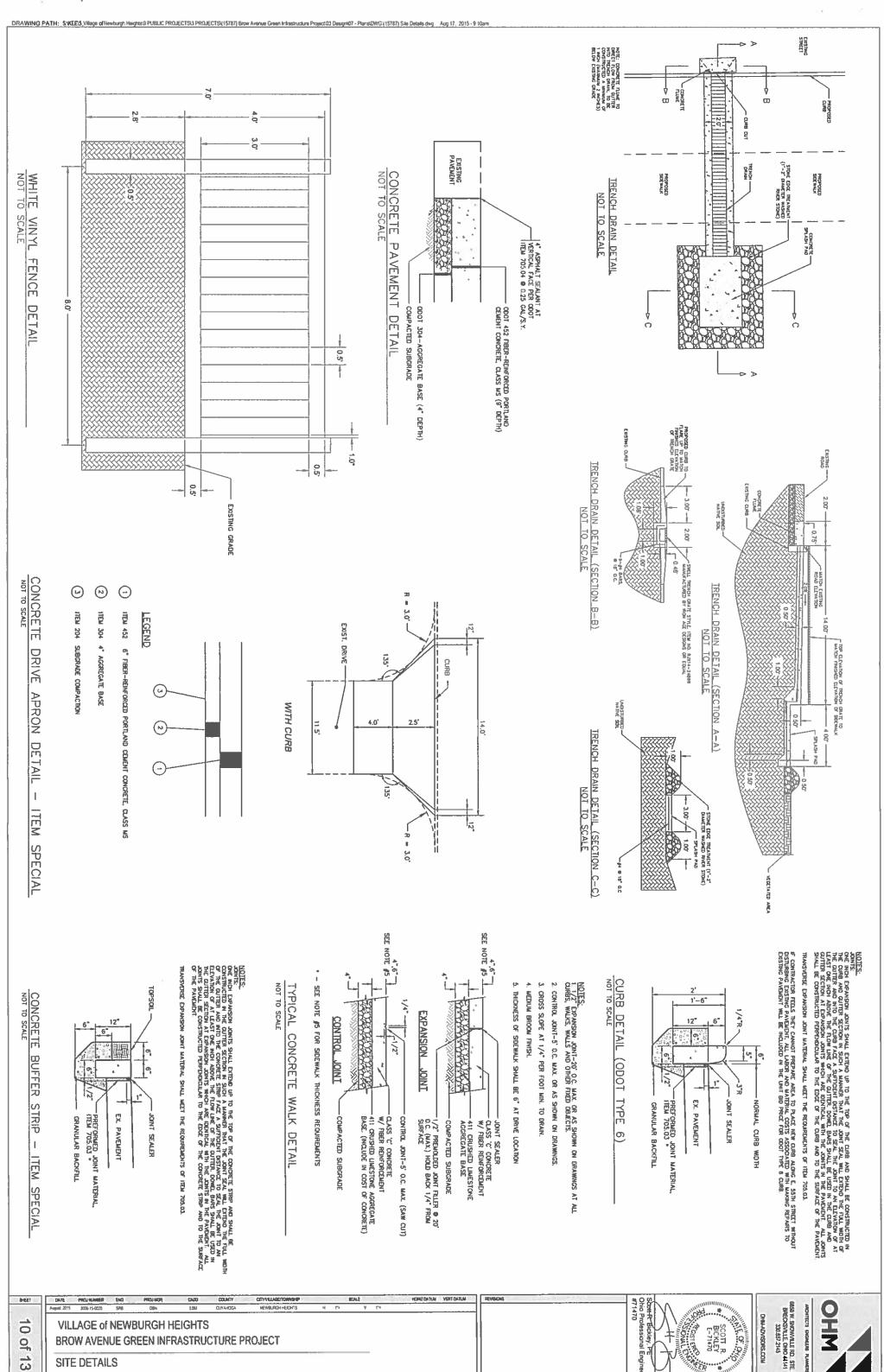
PROPOSED SHRUBS/GRASSES

PROPOSED TREE



GRAPHIC SCALE





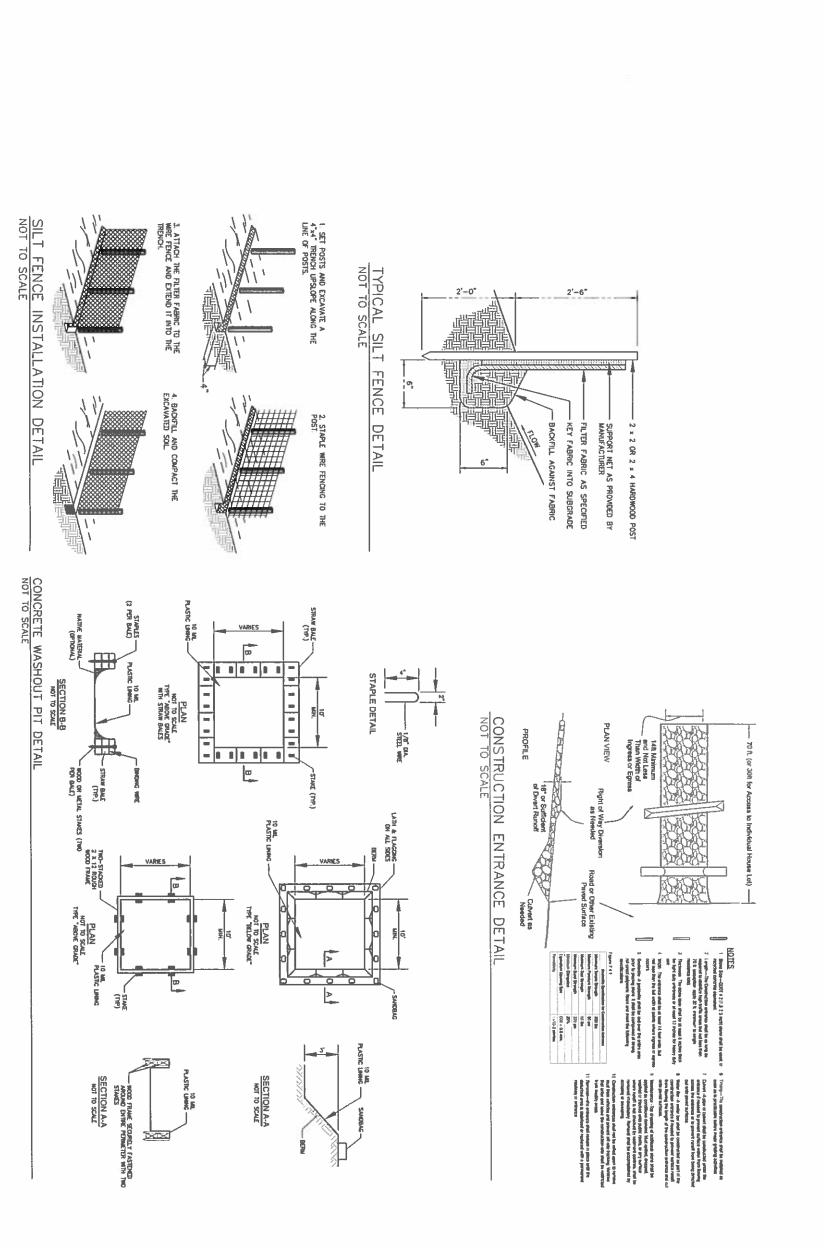
る子 CONTENT DICHERS PLANES

SITE DETAILS

VILLAGE of NEWBURGH HEIGHTS **BROW AVENUE GREEN INFRASTRUCTURE PROJECT** 

Scott R. Bickley, PE Ohio Professional Engineer #71470 SCOTT R. BICKLEY E-71470

BRECKSVILLE, OHIO 41141 300.657.2145 DHM-ADVISORS.COM



ADDITION BOOKERS PAMES

RECORN SHOWALE ON STE A

RECORNIE ON MAIN

SCOTT R.

BICKLEY

BICKLEY