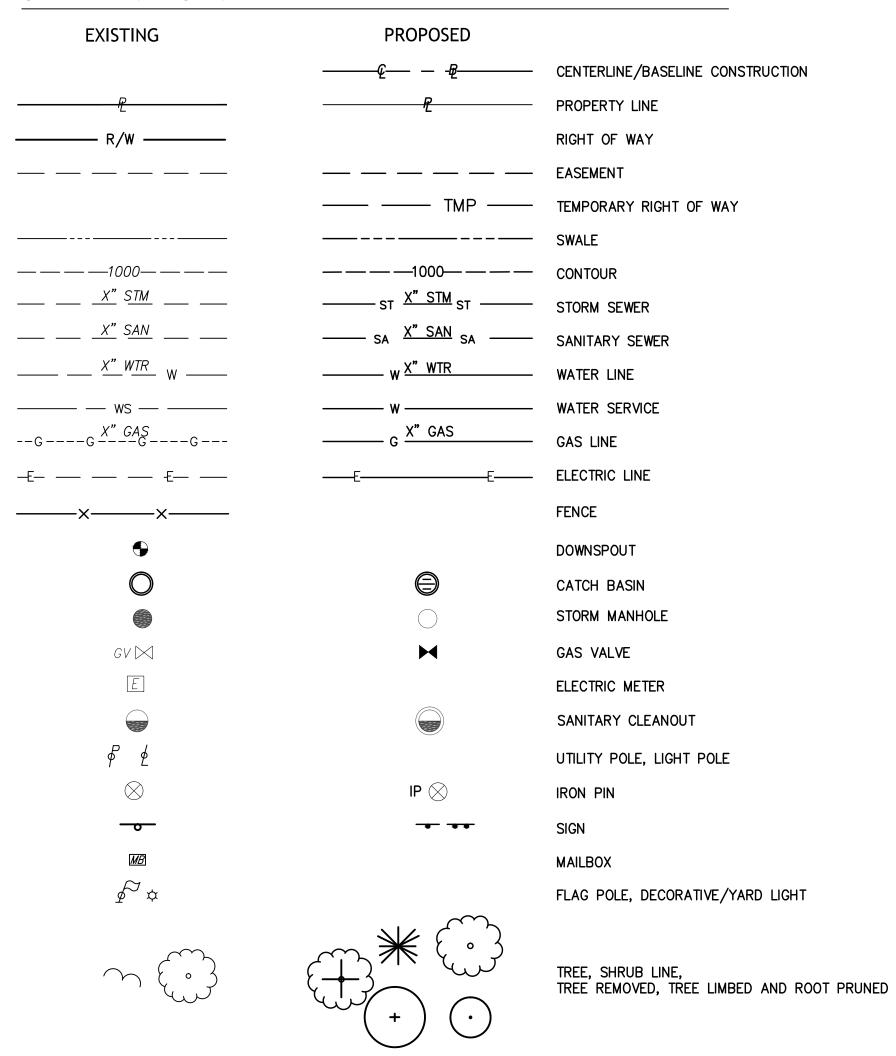
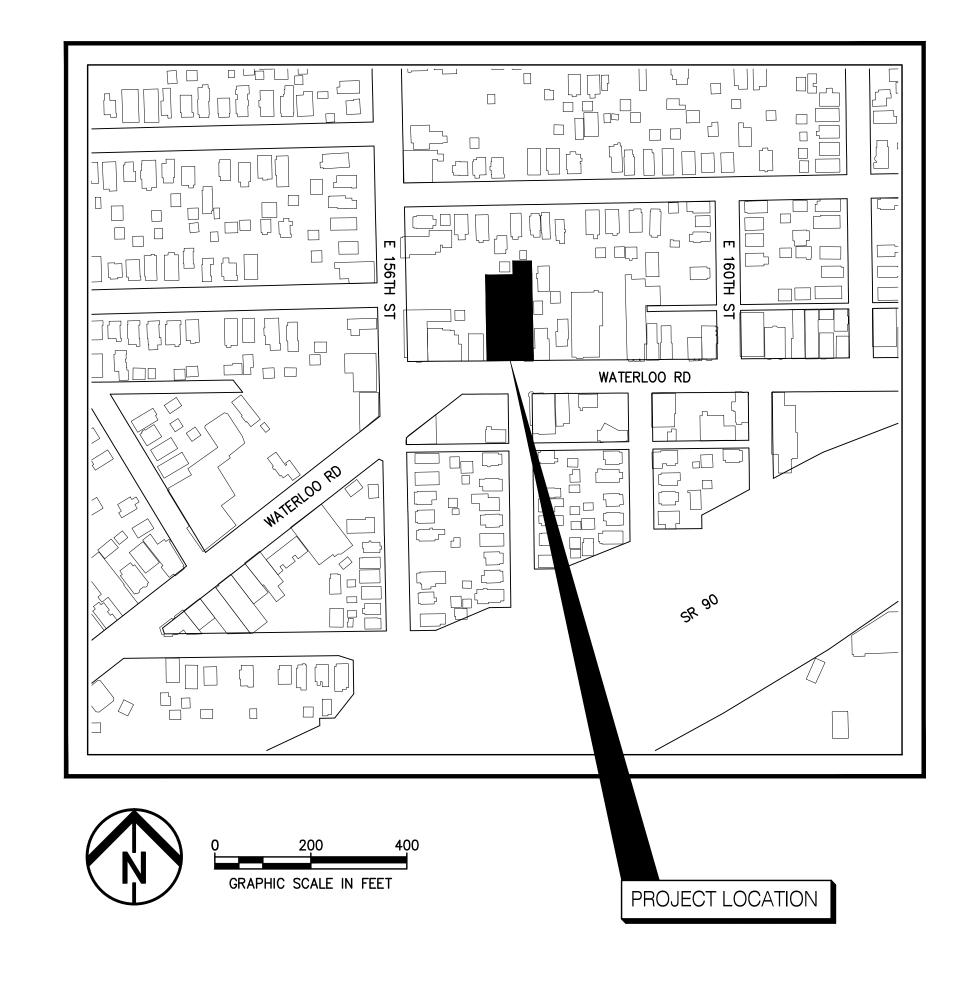
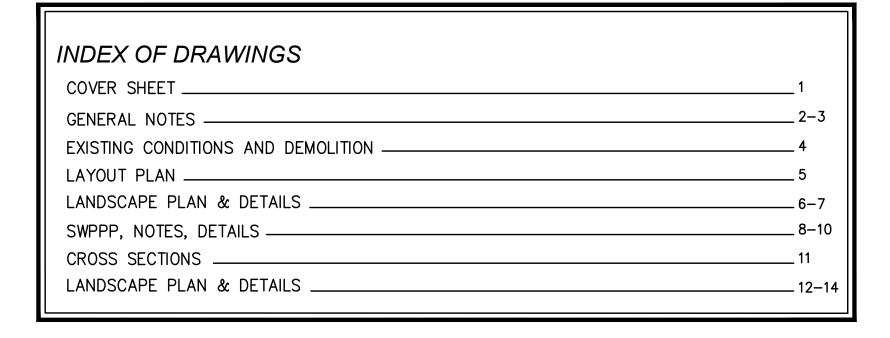
NORTHEAST SHORES DEVELOPMENT CORP. COLLINWOOD ARTS DISTRICT KEY BANK GREEN PARKING LOT

15619 WATERLOO ROAD CLEVELAND, OHIO 44110 CUYAHOGA COUNTY, OHIO BID SET: SEPTEMBER 26, 2016

SITE PLAN LEGEND







PLANS PREPARED AND RECOMMENDED BY:





DRAWING INDEX

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THESE PLAN BID DOCUMENTS SHALL GOVERN THIS IMPROVEMENT. FOR PURPOSES OF THIS PLAN, REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE CLIENT AND/OR HIS REPRESENTATIVES.

ODOT STANDARD

STD DWG NO	DATE
BP-5.1	7/28/00
BP-7.1	1/19/07
RM-6.1	10/17/03

CITY OF CLEVELAND DEPARTMENT OF PUBLIC SERVICE, DIVISION OF ENGINEERING & CONSTRUCTION STANDARD DRAWING INDEX

STD DWG NO	DATE
CONCRETE DRIVEWAY	2008
CONCRETE WALK	2008



REVISED:

SET NO.

PROJ. NUMBER DESIGNED BY: DRAWN BY: FILE NO.	15-00290-010 KGH/AL AL/GB ZCOVR 15-00290-010.dwg	COVER SHEET	1 of 14
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THE INTENT OF THE PROJECT IS TO MODIFY AN EXISTING PARKING LOT WITH APPROXIMATELY 141 CUBIC YARDS OF ASPHALT PAVEMENT REPAIR ALONG WITH 137 SQUARE YARDS OF BIORETENTION, 43 LINEAR FEET OF NEW GUTTER, 50 LINEAR FEET OF DOWNSPOUT DIVERSION FROM EXISTING BUILDING, 15 SQUARE YARDS OF CONCRETE SIDEWALK REPAIR, AND LANDSCAPING.

ODOT SPECIFICATIONS

THE STANDARD CONSTRUCTION AND MATERIAL SPECIFICATIONS 2013 (CMS) OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT PROJECT, EXCEPT AS NOTED IN THIS SET OF DRAWINGS, WITHIN THE CONTRACT AND SPECIFICATION

ALL WORK MUST COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS IN ALL RESPECTS, INCLUDING COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX, OR POLICE CALL BOX.

IN THE PREPARATION OF THE WORKING DRAWINGS AND SPECIFICATIONS, NORTHEAST SHORES DEVELOPMENT CORP. HAS RELIED UPON THE SITE MAPPING PROVIDED BY BOCK AND CLARK SURVEYORS. IF THERE ARE ANY QUESTIONS REGARDING THE SURVEY, PLEASE CALL BOCK AND CLARK AT 1-800-SURVEYS. A TOPOGRAPHIC SURVEY HAS NOT BEEN PERFORMED.

CONSTRUCTION COMMENCEMENT
THE CONTRACTOR SHALL NOT COMMENCE ANY FORM OF CONSTRUCTION WITHOUT CONTACTING THE OWNER AND THE CITY OF CLEVELAND PERMITS TO CONFIRM ALL REQUIRED INSPECTION.

SUBMITTALS/SPECIFICATIONS/CUT SHEETS

MANUFACTURERS SUBMITTALS/SPECIFICATIONS/CUT SHEETS FOR ALL CONSTRUCTION MATERIALS SHALL BE PROVIDED PRIOR TO THE START OF CONSTRUCTION.

NORTHEAST SHORES WILL BE PROCURING ALL PERMITS FOR THE PROJECT. CONTRACTOR TO COORDINATE ALL INSPECTIONS WITH OWNER, NEORSD AND CITY. CONTRACTOR TO REGISTER WITH THE CITY OF CLEVELAND FOR THE DURATION OF THE PROJECT.

BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT HE/SHE HAS SATISFIED HIMSELF/HERSELF AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING UPON THE HANDLING OF MATERIALS, AVAILABILITY OF LABOR AND NECESSARY UTILITIES, THE UNCERTAINTIES OF WEATHER, GROUNDWATER TABLE OR SIMILAR CONDITIONS AT THE SITE, THE CONFORMATION AND CONDITIONS OF THE SOILS AND GROUND SURFACE, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRIOR TO AND DURING THE PROSECUTION OF THE WORK, AND ALL OTHER MATTER WHICH CAN IN ANY WAY AFFECT THE WORK OR COST THEREOF UNDER THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO ACQUAINT HIMSELF/HERSELF WITH THE AVAILABLE INFORMATION CONCERNING THE CONDITIONS WILL NOT RELIEVE HIM/HER FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.

ALL CONSTRUCTION ACCESS TO THE PROJECT SHALL BE FROM WATERLOO RD. AS SHOWN ON THE PLANS, UNLESS OTHERWISE DIRECTED BY THE OWNER.

CONTRACTOR TO PROVIDE ROAD, DRIVEWAY AND EMERGENCY VEHICLE ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES. AS SHOWN ON THE PLANS, CONTRACTOR TO PROVIDE TEMPORARY ACCESS AND BARRIERS AS SHOWN ON DRAWINGS AND AS PER CITY OF CLEVELAND CODE.

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER--OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE PEDESTRIAN CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PLANT TICKETS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANT TICKETS FOR ALL MATERIALS DELIVERED TO THE SITE. PLANT TICKETS MUST SHOW NET QUANTITY OF DELIVERED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SHALL BE REMOVED AND PROPERLY DISPOSED AT THE EXPENSE OF THE CONTRACTOR.

MANUFACTURERS OR SUPPLIERS AFFIDAVIT FOR ALL CONSTRUCTION MATERIALS SHALL BE PROVIDED PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY THE OWNER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS ONLY) OGPUPS 1-800-925-0988

ALL UTILITIES ON THE DRAWINGS ARE SHOWN AS PER DRAWINGS PROVIDED TO EDG BY THE CITY OF CLEVELAND, OSBORNE ENGINEERING, BOCK AND CLARK AND NORTHEAST SHORES DEVELOPMENT CORP.. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.

ALL UTILITIES AND APPURTENANCES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AND REINSTALLED IN ACCORDANCE WITH THE LATEST ODOT C.M.S. AND CITY OF CLEVELAND BUILDING CODES AT NO ADDITIONAL COST TO THE OWNER.

DISTURBANCE TO EXISTING FEATURES

CONSTRUCTION MUST NOT DAMAGE TREES, OTHER DESIRABLE VEGETATION, AND PAVEMENT TO REMAIN IN THE PROJECT AREA. CONTRACTOR TO MARK PROPOSED TREE PLANTING, BIORETENTION AREAS, AND AVOID DISTURBANCE OR COMPACTION WITH CONSTRUCTION EQUIPMENT IN THESE AREAS. CONTRACTOR TO ALSO MARK OTHER CONSTRUCTION FEATURES AS NOTED IN PLANS. ALL EXISTING APPURTENANCES (UTILITY POLES, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLANS.

TREE REMOVAL & PRUNING

WHERE TREE REMOVAL OR PRUNING IS NECESSARY FOR CONSTRUCTION, NORTHEAST SHORES DEVELOPMENT CORP. SHALL BE NOTIFIED A MINIMUM OF FORTY EIGHT (48) HOURS PRIOR TO ANY TREE PRUNING OR REMOVAL. WHERE BRANCHES AND TRUNKS ARE DAMAGED, PROPER DRESSING SHALL BE APPLIED. IT SHALL BE PROPERLY DONE. ALL WORK SHALL BE IN ACCORDANCE WITH ODOT ITEM 666 AND/OR CITY OF CLEVELAND CODE. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

PROJECT KICKOFF MEETING

A PRECONSTRUCTION MEETING WITH THE CONTRACTOR AND REPRESENTATIVES FROM NORTHEAST SHORES DEVELOPMENT CORP. WILL OCCUR PRIOR TO ANY CONSTRUCTION ACTIVITY TO FAMILIARIZE CONTRACTOR WITH THE PLAN.

BEGINNING CONSTRUCTION

THE CONTRACTOR WILL NOTIFY NORTHEAST SHORES DEVELOPMENT CORP. SEVENTY TWO (72) HOURS PRIOR TO BEGINNING ACTUAL CONSTRUCTION.

ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP. SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER OWNER APPROVED METHODS PRIOR TO ACCEPTANCE BY NORTHEAST SHORES DEVELOPMENT CORP. WITHOUT ANY EXTRA COST TO NORTHEAST SHORES DEVELOPMENT CORP.

THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION DRAWINGS, SPECIFICATIONS, AND CONTRACT DOCUMENTS PREPARED BY NORTHEAST SHORES DEVELOPMENT CORP. ON SITE AND SHALL RECORD ON THESE DRAWINGS THE EXACT LOCATION OF ALL SERVICE CONNECTIONS ONSITE INSTALLED AS PART OF PROJECT.

NO TRENCH SHALL BE LEFT OPEN OVERNIGHT, EXCEPT FOR A LENGTH NOT EXCEEDING 2 FEET, WHICH SHALL BE COVERED OVERNIGHT BY A TARP AND BLOCKED BY TEMPORARY CONSTRUCTION FENCING, AT ALL SIDES OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE UNCOMPLETED TRENCH SHALL BE TEMPORARILY BACKFILLED AT THE DIRECTION OF THE OWNER WITHOUT ANY EXTRA COST TO THE OWNER.

ANY TRAFFIC CONTROL REQUESTED OR REQUIRED BY THE PROJECT, PER CODE AND SHOWN ON DRAWINGS WILL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE OWNER.

AT THE CONCLUSION OF CONSTRUCTION, THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM CONSTRUCTION AND SHALL RESTORE ALL SURFACES, STRUCTURES, LANDSCAPE, AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION

THE CONTRACTOR SHALL CLEAN THE PROJECT AREA AT THE END OF EACH DAY FOR THE DURATION OF THE PROJECT. ALL ADJOINING ROADWAYS SHALL BE FREE OF DIRT, MUD AND

ALL CONTRACTOR PROPOSED CHANGES TO APPROVED DRAWINGS AND/OR SPECIFICATIONS MUST BE PREAPPROVED BY THE OWNER/ENGINEER PRIOR TO CONSTRUCTION.

ALL PAVING MATERIAL MUST BE PROVIDED BY ODOT CERTIFIED SUPPLIER. WRITTEN PROOF SHALL BE REQUIRED UPON DELIVERY OF MATERIALS. THE CERTIFIED MIX DESIGN MUST BE SUBMITTED TO, AND APPROVED BY, THE OWNER PRIOR TO SCHEDULING A PRE-CONSTRUCTION MEETING.

IF ANY CHANGE IN THE WORK SCHEDULE BECOMES NECESSARY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE INSPECTOR TO AVOID UNNECESSARY INSPECTION COSTS. IF NO NOTIFICATION IS MADE WITH REGARD TO CANCELLATION OF WORK, THE CONTRACTOR WILL BE CHARGED FOR THE INSPECTION TIME INCURRED.

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT THE EXISTING RIGHT-OF-WAYS CONSTRUCTION AND PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER/CONSTRUCTION

UTILITIES AND STRUCTURES SHOWN ON THE PLANS

THE LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND ARE NOT NECESSARILY COMPLETE. DETERMINATION OF THE SAME SHALL BE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DUE DILIGENCE IN PROTECTING FROM DAMAGE ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR RESTORATION OF SAME IN ACCORDANCE WITH THE DIRECTIONS OF THE ENGINEER AND OF ANY RESULTING CONTINGENT DAMAGE.

SAFETY OF CONSTRUCTION

COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (LATEST) IS REQUIRED OF ALL CONTRACTORS ON THIS PROJECT

CONFLICT

WHERE CONFLICT ARISES BETWEEN ALL SPECIFICATIONS (BOOK OR PLAN BASED) INCLUDING CITY REQUIREMENTS, THE MORE CONSERVATIVE SPECIFICATION SHALL PREVAIL.

THE CONTRACTOR SHALL CLEAN-UP ALL DEBRIS AND MATERIALS RESULTING FROM CONSTRUCTION AND SHALL RESTORE ALL SURFACES, STRUCTURES, DITCHES AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER AND ALL APPLICABLE GOVERNMENTAL AND SITE REGULATORY AGENCIES.

REVIEW OF EXISTING DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CONTRACTOR AND SUPPLIED TO THE OWNER UPON JOB COMPLETION. ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER. PAYMENT FOR ALL OPERATIONS RELATED TO NEW CONDUITS AND APPURTENANCES DESCRIBED ABOVE SHALL BE INCIDENTAL AND INCLUSIVE TO THE OVERALL PROJECT COST.

ITEM SPECIAL, CLEARING, DEMOLITION, MOBILIZATION, TEMPORARY MAINTENANCE OF TRAFFIC. GENERAL CONDITIONS AND SWPPP. AS PER PLAN

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS FOR A COMPLETE AND FUNCTIONING PROJECT TO CLEAR AND GRUB AS SHOWN ON PLANS, PERFORM PROJECT MOBILIZATION, INSPECTION FEES, MAINTENANCE OF TRAFFIC, PERFORM GENERAL CONDITIONS. OTHER PROJECT WORK NOT SPECIFICALLY PAID IN OTHER ITEMS AND PERFORM ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES AS SHOWN ON DRAWINGS AND IN CONFORMANCE WITH ODOT CMS 201, 202 AND 624.

THIS WORK INCLUDES GRUBBING, ROOT AND STUMP REMOVAL, AND TAKING ALL CHIPS AND DEBRIS ASSOCIATED WITH THIS WORK OFF SITE; ALL DEMOLITION INCLUDING SAWCUT AND REMOVAL OF PAVEMENT, CURBING, AND WALK REMOVED; ALL INCIDENTALS NECESSARY FOR CONSTRUCTION MOBILIZATION INCLUDING TEMPORARY FENCING, TEMPORARY ADA RAMPS, CONES AND TEMPORARY MEASURES AS SHOWN ON DRAWINGS AND PLANS NEEDED; TEMPORARY MAINTENANCE OF TRAFFIC MEASURES SHOWN ON THESE DRAWINGS AND IN CONFORMANCE WITH CITY OF CLEVELAND CODES; AND INSTALLATION OF TEMPORARY MEASURES OF THE SWPPP. THIS ITEM INCLUDES ALL SWPPP ITEMS AS PER PLAN INCLUDING INLET PROTECTION, CONCRETE WASHOUT AREA, TEMPORARY SEEDING, AND CONSTRUCTION ENTRANCE.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL

(OMUTCD) DEVICES (CURRENT EDITION), COPIES ARE AVAILABLE:

THE OHIO DEPARTMENT OF TRANSPORTATION BUREAU OF TRAFFIC 1980 WEST BROAD STREET

COLUMBUS, OHIO 43223

CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL MEASURES ARE IN PLACE AND APPROVED BY OWNER'S REPRESENTATIVE. THE OWNER'S REPRESENTATIVE SHALL APPROVE ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR CONDITION AND LOCATION BEFORE THE CONTRACTOR WILL BE ALLOWED TO BEGIN WORK. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, ALL THEIR WORK SHALL BE TERMINATED.

SIGN AND SUPPORT INSTALLATION SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

THE CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS PER 641.10. ALL COST ASSOCIATED WITH THE REMOVAL OF PAVEMENT MARKINGS SHALL BE INCLUDED IN THIS PAY ITEM.

DURING REMOVAL OF ANY EXISTING ITEMS, INCLUDING CURBS, DRIVEWAYS OR WALKS, IF ANY PAVEMENT TO REMAIN IS DAMAGED OR DOES NOT PROVIDE A CLEAN EDGE TO CONSTRUCT AGAINST, FOR WHATEVER REASON, THE CONTRACTOR SHALL REPLACE IN KIND, TO THE FULL SECTION OF THE EXISTING PAVEMENT. THE CONTRACTOR SHALL PROVIDE A CLEAN EDGE PRIOR TO REPLACEMENT OF DAMAGED OR DEGRADED PAVEMENT. THE WORK DESCRIBED ABOVE IS INCIDENTAL TO THE DEMOLITION OF ADJACENT WORK.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, CLEARING, DEMOLITION. MOBILIZATION, TEMPORARY MAINTENANCE OF TRAFFIC, GENERAL CONDITIONS AND SWPPP, AS PER PLAN. OVERALL CONTRACT IS LUMP SUM.

I<u>TEM 203 - EXCAVATION AND HAUL</u>

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS TO PERFORM EXCAVATION AND FINISH GRADING AS SHOWN ON PLAN AND IN CONFORMANCE WITH ODOT CMS 203 AND DRAWINGS. BIORETENTION EXCAVATION WILL NOT BE COMPACTED AND SUBBASE WILL BE SCARIFIED.

CONTRACTOR SHALL USE EXCAVATED MATERIALS IN THE WORK AREA WHEN MATERIALS CONFORM TO SPECIFICATIONS. IF NOT THAN RECYCLE OR DISPOSE OF MATERIAL ACCORDING TO ODOT 105.16 AND 105.17, CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE PROJECT AREA IN A FREE DRAINING CONDITION AT ALL TIMES. AFTER EXCAVATION AND PART OF THIS ITEM, THE CONTRACTOR SHALL MEET FINISHED GRADES AND COMPACTION IN ACCORDANCE WITH THE PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 203, EXCAVATION AND HAUL, LS. OVERALL CONTRACT IS LUMP SUM.

PAVEMENT

ITEM SPECIAL, CONCRETE CURB INLETS

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS TO CONSTRUCT CURBING WITH CONCRETE CURB INLETS AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 609. ITEM INCLUDES CONCRETE, FORMING AND AGGREGATE BASE. THIS ITEM ALSO INCLUDES ANY REPAIR TO THE EXISTING CURB THAT WILL REMAIN, AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, CONCRETE CURB INLETS, EACH. OVERALL CONTRACT IS LUMP

<u>ITEM 253 – ASPHALT REPAIR</u>

CONTRACTOR IS TO FURNISH ALL EQUIPMENT, LABOR, AND MATERIAL NECESSARY TO REPAIR ASPHALT AS NEEDED AND AS DIRECTED BY ENGINEER AND IN CONFORMANCE WITH ODOT ITEM 253. THIS INCLUDES REGRADING SUBGRADE, IMPORTATION OF ODOT ITEM 304 AS NECESSARY TO ACHIEVE GRADE, TACK COAT, PRIME COAT & SEALER AS NEEDED, AND SUBGRADE COMPACTION.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 253. ASPHALT REPAIR. SY. OVERALL CONTRACT IS LUMP SUM.

ITEM SPECIAL - TYPE 6 CURB

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS TO CONSTRUCT CONCRETE TYPE 6 CURB AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 609. ITEM INCLUDES CONCRETE, FORMING AND AGGREGATE BASE, AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, TYPE 6 CURB, LF. OVERALL CONTRACT IS LUMP SUM.

ITEM 608 - CONCRETE WALK, AS PER PLAN

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS TO PERFORM CONCRETE SIDEWALK REPAIR AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 608. ITEM INCLUDES FULL DEPTH CONCRETE REMOVAL AND REPLACEMENT, FORMING AND ADDITIONAL AGGREGATE BASE AS NEEDED PER ODOT 304, AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 608, CONCRETE WALK, AS PER PLAN SF. OVERALL CONTRACT IS LUMP SUM.

DRAINAGE

CONSTRUCTION STANDARDS FOR STORM SEWERS ALL SEWER CONSTRUCTION SHALL CONFORM TO ODOT ITEM 603, CITY OF CLEVELAND, NEORSD, AND WITH THE SPECIFIC PROVISIONS INCLUDED HEREIN.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, REPRESENTATIVES OF THE OWNER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CONTRACTOR.

ALL NEW CONDUITS AND INLETS CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE

ACCEPTED BY THE OWNER.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE OVERALL CONTRACT PRICE.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY. THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE OWNERS REPRESENTATIVE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE OWNER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE.

<u>ITEM 605 – 4" UNDERDRAINS</u>

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL 4" UNDERDRAINS AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 605. ITEM INCLUDES GRAVEL AND FORMING..

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 605, 4" UNDERDRAINS, LF. OVERALL CONTRACT IS LUMP SUM.

ITEM 202 -CATCH BASIN ABANDON

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO ABANDON EXISTING CATCH BASIN AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 202, CATCH BASIN ABANDON, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE WITH NEW GRATE

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO ADJUST EXISTING CATCH BASINS TO PROPOSED GRADES AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 611.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR

ITEM 611, CATCH BASIN ADJUSTED TO GRADE WITH NEW GRATE, EA. OVERALL CONTRACT IS LUMP

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO ADJUST EXISTING CATCH BASINS TO PROPOSED GRADES AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 611.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 611, CATCH BASIN ADJUSTED TO GRADE, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM 611 - SANITARY MANHOLE MODIFICATION AND ADJUST TO GRADE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO ADJUST OR MODIFY EXISTING SANITARY MANHOLES TO PROPOSED GRADES AS PER PLAN, DETAILS, AND IN CONFORMANCE WITH ODOT ITEM 611.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 611, SANITARY MANHOLE MODIFICATION AND ADJUST TO GRADE, EA. OVERALL CONTRACT IS LUMP SUM.

LANDSCAPING

ITEM SPECIAL -- HARDWOOD MULCH

CONTRACTOR IS TO FURNISH ALL EQUIPMENT, MATERIAL, AND LABOR TO FURNISH AND PLACE HARDWOOD MULCH IN CONFORMANCE WITH ODOT CMS 661 AND AS SHOWN ON PLANS. MULCH SHALL BE FINE, DOUBLE SHREDDED ORGANIC HARDWOOD, FREE OF WEED SEEDS, ROOTS, OR ANY OTHER SUBSTANCE NOT CONSISTING OF EITHER HOLE OR BRANCH WOOD AND BARK. THE MULCH SHALL BE UNIFORMLY APPLIED IN 3 INCH DEPTH IN AREAS SHOWN ON PLANS. DO NOT FERTILIZE.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, HARDWOOD MULCH, CY. OVERALL CONTRACT IS LUMP SUM. Environmental **Design Group**

806 LITERARY ROAD 2ND FLOOR, SUITE 206 CLEVELAND, OH 44113 F: 330.375.1590 WWW.ENVDESIGNGROUP.COM

Know what's **below**. Call before you dig.

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REVISIONS ⚠ DATE DESCRIPTION

DRAWN BY:

CHECKED BY:

DATE ISSUED:

PROJECT NO .: 15-00290-01

AL/GB

SEPTEMBER 26, 2016

GENERAL NOTES

ITEM SPECIAL -- BIORETENTION AREA B

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL BIORETENTION AREA A AS SHOWN IN PLAN.

ITEM INCLUDES MATERIAL AND INSTALLATION OF: HAYDITE BIOBLEND, HAYDITE SIZE H, HAYDITE SIZE B, WEED BARRIER MAT, FILTER FABRIC ODOT 716.01, RIVER ROCK MULCH, UNDERDRAINS AND CONNECTORS, CONNECTION TO CATCH BASINS, OVERFLOW PIPES, AND MODIFICATION TO CATCH BASIN GRADE. HAYDITE PER DiGeronimo Aggregates LLC, 8900 Hemlock Road, Independence, Ohio 44131, 216-536-7510, TODD HAUSER.

WEED BARRIER MAT SHALL BE BLACK, NON WOVEN, GEOTEXTILE FABRIC WHICH IS UV STABILIZED, PERMEABLE TO AIR AND WATER, AND A MINIMUM WEIGHT OF 2 OZ/SQ YD. WEED MAT SHALL PROVIDE WEED CONTROL AND BE GUARANTEED BY MANUFACTURER TO LAST FOR 15 YEARS IN EXPOSED CONDITIONS. WEED MAT SHALL BE STAPLED TO SOIL AS PER MANUFACTURER'S DIRECTIONS, WITH MULCH PLACED ON TOP OF WEED MAT.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, BIORETENTION AREA B, LS. OVERALL CONTRACT IS LUMP SUM.

<u>ITEM SPECIAL -- BIORETENTION AREA</u> A

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL BIORETENTION AREA B AS SHOWN IN PLAN.

ITEM INCLUDES MATERIAL AND INSTALLATION OF: FOCAL POINT BIORETENTION SYSTEM, RIVER ROCK MULCH, AND FILTER FABRIC UNDER MULCH.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, BIORETENTION AREA A, LS. OVERALL CONTRACT IS LUMP SUM.

ITEM 651 -- DECIDUOUS TREE, AS PER PLAN

CONTRACTOR IS TO FURNISH ALL EQUIPMENT, MATERIAL, AND LABOR TO FURNISH AND PLACE DECIDUOUS TREES LISTED IN CONFORMANCE WITH ODOT CMS 651 AND AS PER PLAN. THIS INCLUDES SOIL BACKFILL AND TREE STABILIZATION.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 651, DECIDUOUS TREE, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM 651 -- SHRUBS

CONTRACTOR IS TO FURNISH ALL EQUIPMENT, MATERIAL, AND LABOR TO FURNISH AND PLACE SHRUBS LISTED IN CONFORMANCE WITH ODOT CMS 651 AND AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 651, SHRUBS, EA. OVERALL CONTRACT IS LUMP SUM.

<u>ITEM 651 —— PERENNIALS</u>

CONTRACTOR IS TO FURNISH ALL EQUIPMENT, MATERIAL, AND LABOR TO FURNISH AND PLACE PERENNIALS LISTED IN CONFORMANCE WITH ODOT CMS 651 AND AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 651, PERENNIALS, EA. OVERALL CONTRACT IS LUMP SUM.

MISCELLANEOUS

<u>ITEM 642 -- PARKING LOT MARKING</u>

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS NEEDED TO STRIPE PARKING STALLS INCLUDING HANDICAP STRIPING, HANDICAP SYMBOLS AND NO PARKING AREAS, AS PER PLAN AND IN CONFORMANCE WITH ODOT ITEM 640, TYPE 1.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM 642, PARKING LOT MARKING, LS. OVERALL CONTRACT IS LUMP SUM.

<u>ITEM SPECIAL -- ADA SIGN</u>

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL ADA SIGNS AND POSTS AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, ADA SIGN, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM SPECIAL -- CONCRETE CURB STOP

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL CONCRETE CURB STOPS AS PER PLAN.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, CONCRETE CURB STOP, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM SPECIAL -- FENCE ENCLOSURE & GATE

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL FENCE ENCLOSURE & GATE AS PER PLAN AND DETAILS. ITEM INCLUDES FENCE BOARDS, AND GATE APPURTENANCES.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, FENCE ENCLOSURE & GATE, LS. OVERALL CONTRACT IS LUMP

<u>ITEM SPECIAL -- BOLLARD SLEEVE</u>

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL BOLLARD SLEEVES AS PER PLAN AND DETAILS. ITEM INCLUDES, BOLLARD SLEEVE, AND APPURTENANCES.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, BOLLARD SLEEVE, EA. OVERALL CONTRACT IS LUMP SUM.

ITEM SPECIAL -- BUILDING DOWNSPOUT AND GUTTER CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL NEW BUILDING DOWNSPOUT AND GUTTER AS PER PLAN AND DETAILS. ITEM INCLUDES, EXISTING GUTTER AND DOWNSPOUT REMOVAL, NEW GUTTER AND DOWNSPOUT AND ATTACHMENT APPURTENANCES.

UNIT PRICE FOR ADDITIONS AND DELETIONS WILL BE BASED UPON THE ABOVE WORK DETAIL AND DRAWINGS FOR ITEM SPECIAL, BUILDING DOWNSPOUT AND GUTTER, LS. OVERALL CONTRACT IS LUMP SUM.



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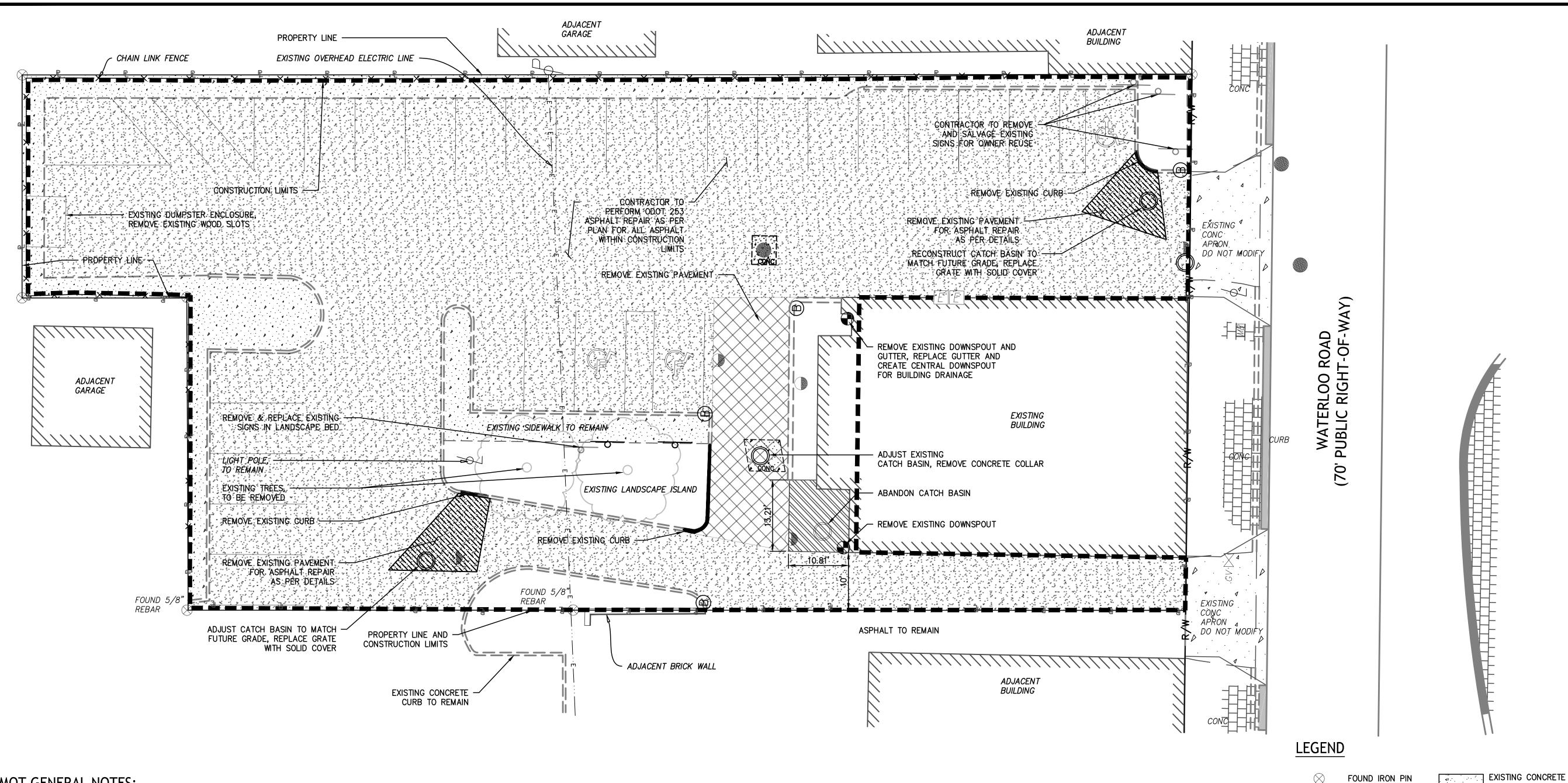
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REVISIONS

PROJECT NO .: 15-00290-010 DRAWN BY: AL/GB **CHECKED BY:** DATE ISSUED: **SEPTEMBER 26, 2016**

GENERAL NOTES



MOT GENERAL NOTES:

THIS WORK CONSISTS OF THE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.

A) FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING THE HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND:

2) ODOT CMS 2013 SPECIFICATIONS

- 1) THE SPECIAL PROVISIONS OF THE CONTRACT
- 3) CITY OF CLEVELAND
- 4) U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION AND ALL SUPPLEMENTS APPLICABLE TO THE WORK DATED TO THE DATE OF ADVERTISEMENT.

B) UNLESS OTHERWISE NOTED AND EXCEPT FOR REGULATORY SIGNS, (SERIES R), ALL SIGNS HAVE A NON--REFLECTORIZED BLACK LEGEND AND RETRO—REFLECTIVE ORANGE BACKGROUND.

C) MOUNTING OF ALL SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH ODOT CMS 2013 AND AS PER CITY OF CLEVELAND CODES.

D) REMOVE ALL EXISTING SIGNS AS REQUIRED TO ACCOMMODATE CONSTRUCTION OPERATIONS. REINSTALL THESE SIGNS AT THE COMPLETION OF THE PROJECT AND/OR AS DIRECTED BY THE OWNER.

E) THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR TRAFFIC CONTROL AS PER ODOT CMS 2013 AND CITY OF CLEVELAND CODES.

F) NOTIFY NORTHEAST SHORES DEVELOPMENT CORP. TEN (10) DAYS IN ADVANCE OF DRIVEWAY RESTRICTIONS SO NORTHEAST SHORES DEVELOPMENT CORP. STAFF CAN NOTIFY PROPERTY OWNERS AFFECTED BY WORK. COORDINATE LOCATION OF ANY TRAFFIC CONTROL DEVICES LOCATED WITHIN THEIR DRIVEWAYS WITH NORTHEAST SHORES DEVELOPMENT CORP.

G)PROVIDE SUFFICIENT NUMBER OF PROPERLY ATTIRED FLAGGERS (VEST, HARD HAT, ETC) TO ADEQUATELY CONTROL TRAFFIC FLOW THROUGH THE WORK ZONE AS REQUIRED BY THE CITY OF CLEVELAND, WHICH INCLUDES ANY INTERSECTING STREETS IN THE WORK ZONE AND AS DIRECTED.

H) LIMIT ANY LANE CLOSURE TO THE LENGTH NECESSARY TO SAFELY PERFORM THE REQUIRED WORK. AT NO TIME SHALL COMPLETE STREET CLOSURE BE INSTITUTED.

I) AT THE END OF EACH WORKDAY AND WHENEVER PRACTICAL DURING THE WORKDAY, EQUIPMENT, VEHICLES AND MATERIALS SHALL BE STORED A MINIMUM OF 10 FEET FROM THE EDGE OF THE NEAREST OPEN TRAVEL LANE OR THEY SHALL BE ADEQUATELY STORED WITHIN THE CONSTRUCTION LIMITS. IF EQUIPMENT, VEHICLES AND MATERIALS CANNOT BE STORED AS DESCRIBED ABOVE, OR IF THESE ITEMS ARE PLACED FOR USE ON OR NEAR THE ROADWAY WITHIN THE WORK ZONE, BARRICADED, DRUMS OR OTHER PROTECTIVE DEVICES SHALL BE PLACED

AROUND THE EQUIPMENT, VEHICLES AND STORAGE SITE TO WARN AND PROTECT THE TRAVELING PUBLIC.

J) DO NOT ALLOW EMPLOYEES TO PARK THEIR PERSONAL VEHICLES ON ANY TRAVEL LANE, SHOULDER, OR SEEDED AREA ALONG THE ROADWAY.

K) IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE THE MAINTENANCE OF TRAFFIC DEVICES.

L) ALL WORKERS SHALL WEAR THE YELLOW/GREEN ANS 11 VESTS.

M) NOTIFY THE CITY OF CLEVELAND ENGINEERING DEPARTMENT AND OWNER TEN (10) DAYS IN ADVANCE OF ANY TRAFFIC SIGNAGE INTENDED TO BE PLACED.

N) MAINTAIN A MINIMUM OF TWO 10-FOOT TRAVEL LANES ON ALL STREETS AT ALL TIMES, EXCEPT THAT TWO 8-FOOT LANES MAY BE MAINTAINED IF ONGOING CONSTRUCTION OPERATIONS REQUIRE IT. A SINGLE 11-FOOT LANE MAY BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH ODOT CMS 2013 AND CITY OF CLEVELAND CODE.

O) NOTIFY CITY OF CLEVELAND PRIOR TO CONSTRUCTION. CITY OF CLEVELAND TO PROVIDE

DEMOLITION NOTES:

- 1. EXISTING CURBS ARE TO REMAIN ASIDE FROM WHERE CURB REMOVAL IS NOTED
- 2. CONTRACTOR TO GRIND EXISTING ASPHALT A MINIMUM OF 2 INCHES, REGRADE AS SHOWN, COARSE TO MATCH EXISTING AND PROPOSED

CONSTRUCTION/PERMIT APPROVAL OF ALL WORK.

- APPLY TACK COAT AND 2 INCHES 448 SURFACE
- 3. REFER TO SHEET 5/14 FOR SPECIFIED PAVEMENT AREAS TO BE REGRADED FOR DESIRED DRAINAGE

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۵ ۸ ۸	PAVEMENT TO REMAIN
	EXISTING ASPHALT PAVEMENT REPAIR
	REMOVE EXISTING PAVEMENT — FULL DEPTH
	REMOVE AND REPLACE EXISTING CONCRETE PAVEMENT

GRAPHIC SCALE IN FEET

BOLLARD

LIGHT POLE

UTILITY POLE

DOWNSPOUT

CATCH BASIN

STORM MANHOLE

ELECTRIC METER

CONSTRUCTION LIMITS

SANITARY CLEANOUT

SIGN POST

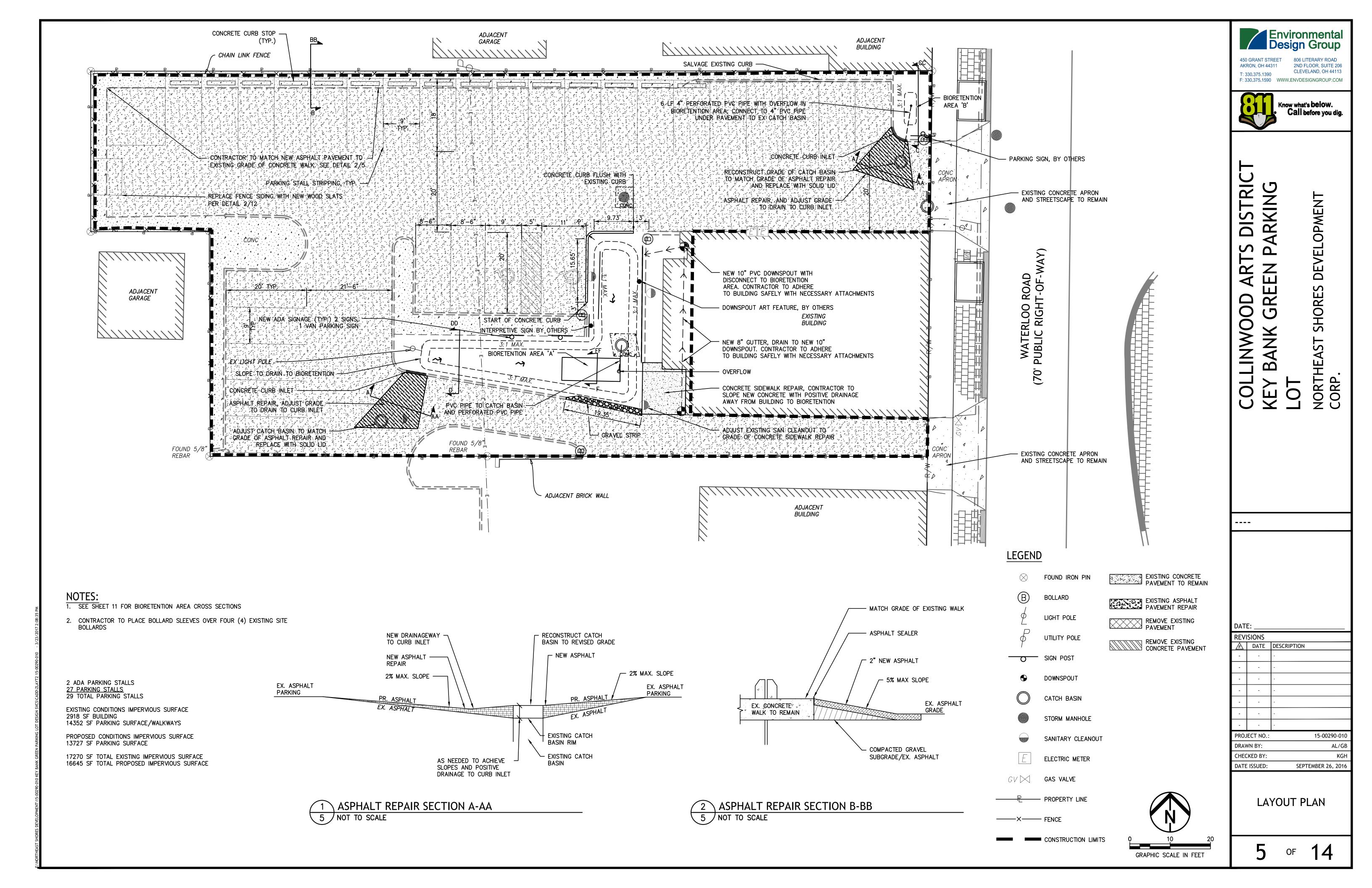
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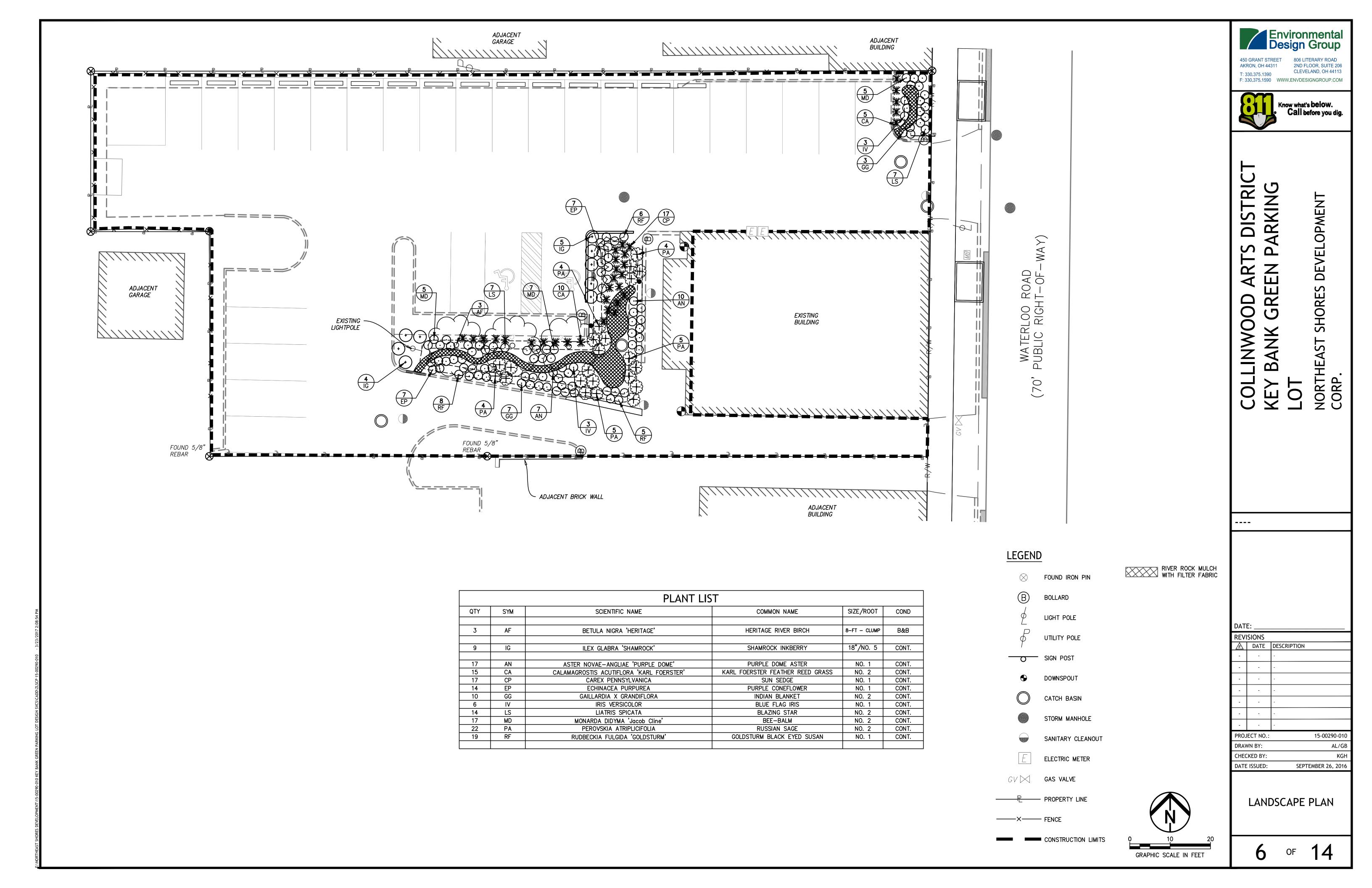
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PROPERTY LINE

PROJECT NO .: 15-00290-010 DRAWN BY: AL/GB CHECKED BY: DATE ISSUED: **SEPTEMBER 26, 2016**

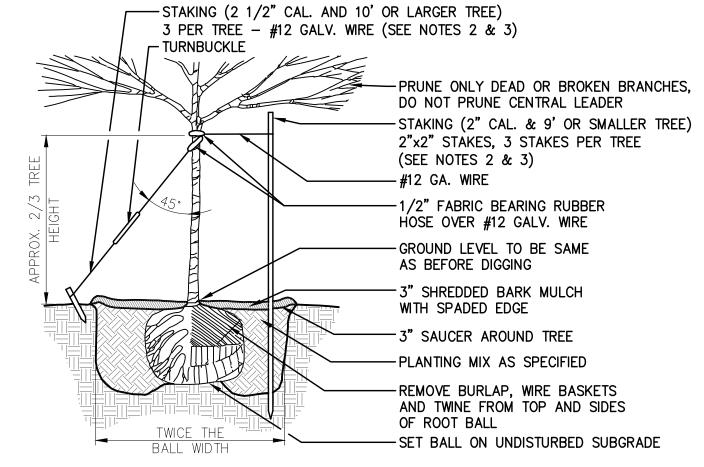
EXISTING CONDITIONS AND DEMOLITION





NOTES: 1. REMOVE BURLAP, WIRE BASKETS AND TWINE FROM TOP AND SIDES OF ROOT BALL. CENTER TREE IN

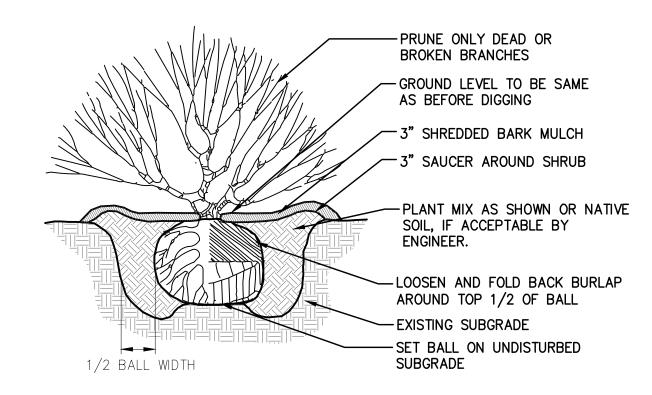
- HOLE SET TOP OF BALL 1" ABOVE FINISH GRADE. 2. STAKING & GUYING TREES IS OPTIONAL, HOWEVER THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLED TREES STAYING PLUMB AND STABLE. IF A NON-STAKED TREE MOVES OUT OF PLUMB DURING THE WARRANTY PERIOD THE CONTRACTOR SHALL STRAIGHTEN & STAKE THE TREE AT NO
- ADDITIONAL COST TO THE OWNER. 3. THE CONTRACTOR SHALL RETURN TO REMOVE ALL STAKES, GUYS & ASSOCIATED HARDWARE ON THE TREES ONE YEAR AFTER STAKING OR PER THE DIRECTION OF THE OWNER OR LANDSCAPE ARCHITECT.



DECIDUOUS TREE PLANTING DETAIL 7 NOT TO SCALE

NOTES:

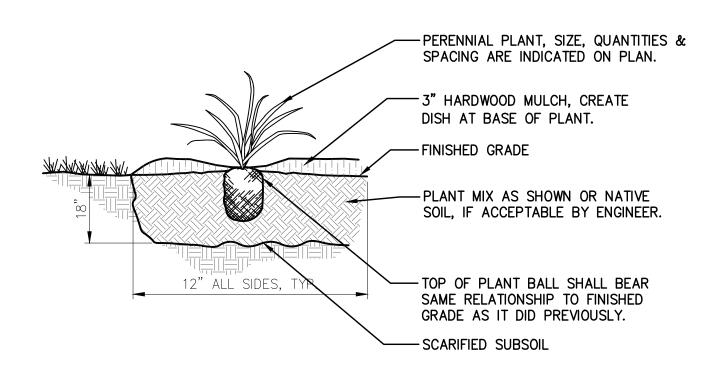
1. PLANTING MIX TO CONSIST OF 1" COMPOST PER 6" OF TOPSOIL. 2. COMPOST SHALL CONSIST OF STERILIZED, COMPOSTED MATERIAL (SWEET PEAT OR OTHER APPROVED EQUAL). CONTRACTOR SHALL SUBMIT SAMPLE TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF PLANTS. 3. MULCH TO FORM CONTINUOUS SHRUB BEDS.



2 SHRUB PLANTING DETAIL 7 NOT TO SCALE

NOTES:

1. PLANTING MIX TO CONSIST OF 1" COMPOST PER 6" OF TOPSOIL. 2. COMPOST SHALL CONSIST OF STERILIZED, COMPOSTED MATERIAL (SWEET PEAT OR OTHER APPROVED EQUAL). CONTRACTOR SHALL SUBMIT SAMPLE TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF PLANTS. 3. MULCH TO FORM CONTINUOUS LANDSCAPE BEDS.



3 PERENNIAL PLANTING DETAIL NOT TO SCALE





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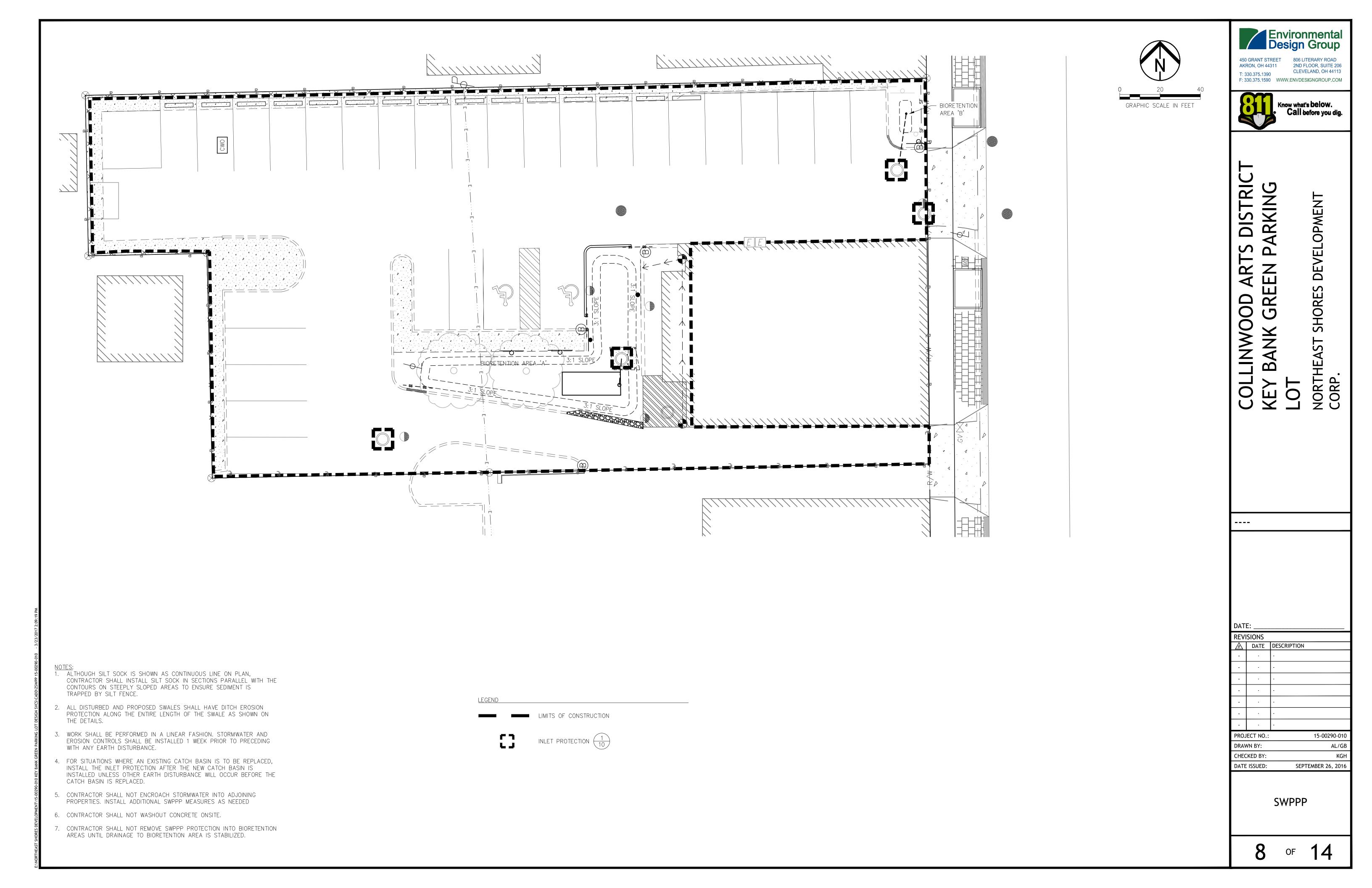
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PROJECT NO .: 15-00290-010 DRAWN BY: AL/GB CHECKED BY:

SEPTEMBER 26, 2016

LANDSCAPE DETAILS



STORMWATER POLLUTION PREVENTION PLAN NOTES

- 1. CONSTRUCT IN ACCORDANCE WITH THESE PLANS, THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD CONSTRUCTION DRAWING DM-4.4 AND THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006). THE IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) UNDER NPDES PERMIT #OHCOOOOO4. IF CONFLICTS EXIST REGARDING THE SOIL AND SEDIMENT CONTROL PRACTICES, THE MORE RESTRICTIVE SHALL APPLY.
- 2. STABILIZATION OF DISTURBED AREAS DISTURBED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FOURTEEN (14) DAYS. FOR AREAS WITHIN FIFTY (50) FEET OF ANY LIVE STREAM, SOIL STABILIZATION PRACTICES SHALL BE INITIATED WITHIN TWO (2) DAYS ON ALL INACTIVE, DISTURBED AREAS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON—VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.
- 3. INSTALL ALL EROSION AND SEDIMENT CONTROL ITEMS BEFORE ANY CLEARING AND GRUBBING OR EARTHWORK IS BEGUN.
- 4. PROTECT UNDISTURBED AREAS THROUGHOUT CONSTRUCTION. DO NOT STORE EQUIPMENT, VEHICLES OR MATERIALS IN THESE PROTECTED AREAS.
- 5. SEEDING AND FERTILIZER FOR PERMANENT COVER SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- 6. MULCHING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- 7. TOPSOILING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- 8. SILT FENCE AND/OR SILT SOCK SHALL BE AS DETAILED ON THE DRAWINGS AND AS SPECIFIED IN ITEM P-104 OF THE TECHNICAL SPECIFICATIONS.
- 9. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORMWATER RUNOFF.
- 10. OFF-SITE VEHICLE TRACKING OF SEDIMENTS WILL BE MINIMIZED. ALL OFF-SITE TRACKING OF SEDIMENT SHALL BE CLEANED UP AS IT OCCURS.
- 11. OTHER EROSION CONTROL AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS AND TO STABILIZE BIORETENTION AREAS.
- 12. A PRE-CONSTRUCTION MEETING IS REQUIRED WITH CUYAHOGA S.W.C.D. PRIOR TO BEGINNING WORK.
- 13. TRUCK WASHOUT AND DISCHARGE OF SURPLUS WASH WATER ON SITE IS PERMITTED EXCLUSIVELY IN THE DESIGNATED AREA.
- 14. WINTERIZATION ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 14 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH 1.
- 15. TRENCH WATER MUST BE PUMPED THROUGH A SEDIMENT SETTLING FACILITY OR EQUALLY EFFECTIVE DEVICE PRIOR TO DISCHARGE FROM THE SITE.
- 16. STAGING, STORAGE, FUELING AND VEHICLE PARKING ARE SHOWN ON THE SWPP PLAN (SITE WITHIN CONSTRUCTION LIMITS). IF THE CONTRACTOR WANTS TO UTILIZE A DIFFERENT LOCATION FOR THESE FUNCTIONS, HE SHALL REVISE THE SWPP PLAN AND SUBMIT IT TO OWNER. FOR APPROVAL.
- 17. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES.
- 18. DISTURBED AREAS REMAINING DORMANT FOR OVER A YEAR AT THE FINAL GRADE WILL HAVE A PERMANENT COVER APPLIED WITHIN 7 DAYS OF LAST DISTURBANCE.

MAINTENANCE AND INSPECTION:

PERMANENT RECORDS OF MAINTENANCE AND INSPECTION MUST BE MAINTAINED THROUGHOUT CONSTRUCTION A MINIMUM OF ONCE EVERY 7 DAYS AND AFTER STORM EVENTS GREATER THAN 0.5 INCH IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN.

REPAIRS:

ANY EROSION CONTROL MEASURES, STRUCTURES, DEVICES, OR RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 7 DAYS.

MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING PRACTICES SHALL BE EXECUTED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUN-OFF. THE JOB SITE SUPERINTENDENT IS RESPONSIBLE FOR ENSURING THESE PRACTICES ARE FOLLOWED:

- 1. STORE THE MINIMUM AMOUNT OF PRODUCT REQUIRED TO COMPLETE THE JOB, IF POSSIBLE, UNDER ROOF OR IN A CONTAINMENT AREA. PRODUCTS SHALL REMAIN IN THEIR ORIGINAL CONTAINER. LABEL MUST BE LEGIBLE
- 2. MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR USE AND DISPOSAL.
- 3. PRODUCT TO BE USED ENTIRELY (WHEN POSSIBLE) PRIOR TO DISPOSING.
- 4. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES USED ON THE SITE SHALL BE OBTAINED AND POSTED IN THE IMMEDIATE AREA OF PRODUCT STORAGE AND SHALL BE USED FOR PROPER MANAGEMENT OF POTENTIAL WASTE.
- 5. ALL HAZARDOUS WASTE MATERIAL WILL BE DISPOSED BY THE CONTRACTOR IN A MANNER SPECIFIED BY LOCAL, STATE OR FEDERAL REGULATIONS AND PER MANUFACTURERS RECOMMENDATIONS.
- 6. ALL PERSONNEL SHALL BE TRAINED IN THE PROPER HANDLING AND CLEAN UP OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR WASTE SHALL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF NECESSARY, THE CONTAMINATED STORMWATER WILL BE HELD ON SITE UNTIL IT MEETS LOCAL, STATE AND FEDERAL REGULATIONS.
- 7. IN THE EVENT OF A SPILL THE FOLLOWING PROCEDURES MUST BE FOLLOWED:
 - A. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 - B. THE PROJECT MANAGER AND ENGINEER OF RECORD IMMEDIATELY NOTIFIED.
 - C. ANY SPILLS OF TOXIC OR HAZARDOUS MATERIALS MUST BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AGENCY. THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) MUST BE NOTIFIED WHEN A SPILL EXCEEDS THE REPORTABLE QUANTITY OF A SUBSTANCE. THE SUBSTANCES AND AMOUNTS ARE LOCATED IN FEDERAL REGULATIONS (40 CFR 110, 114 AND 302).
 - D. IF A SPILL EXCEEDS A REPORTABLE QUANTITY, THE SWPP PLAN MUST BE MODIFIED WITHIN 7 DAYS PROVIDING A DESCRIPTION, DATE AND INCIDENT OF THE RELEASE.

PRODUCT SPECIFIC PRACTICES:

- 1. PETROLEUM PETROLEUM PRODUCTS WILL BE STORED IN CLEARLY LABELED TIGHTLY SEALED CONTAINERS. ANY ON SITE PETROLEUM STORAGE TANKS WILL HAVE A CONTAINMENT STRUCTURE AROUND IT FOR POTENTIAL SPILLS. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED WHEN ANY ASPHALT SUBSTANCES ARE USED ON SITE.
- 2. FERTILIZERS THE MANUFACTURER'S RECOMMENDED MINIMAL AMOUNTS SHALL BE APPLIED AND WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. THE CONTENTS OF ANY PARTIALLY USED BAGS WILL BE TRANSFERRED TO SEALABLE PLASTIC BINS AND STORED UNDER COVER, AWAY FROM STORMWATER DRAINAGE WAYS.

SITE LOCATION INFORMATION	LATITUDE: 41.5 LONGITUDE: -81.	
CLEVELAND	CUYAHOGA	OHIO
CITY, VILLAGE, TOWNSHIP	COUNTY	STATE
15619 WATERLOO RD, CLEVELAND, OH 44110		
SITE ADDRESS		
NORTHEAST SHORES DEVELOPMENT CORP.		216-481-7660
DEVELOPER		PHONE
317 E. 156TH ST, CLEVELAND, OH, 44110		
DEVELOPER ADDRESS		
NEORSD'S COMBINED SEWER AREA		
NAME OF WATERSHED/IMMEDIATE RECEIVING	WATER(S)	
HYDROLOGIC SOIL GROUPS:		

URBAN LAND-ELNORA COMPLEX, NEARLY LEVEL

SUBDIVISION	()	TOTAL AREA	0.35	AC
COMMERCIAL	()	PRE-DEV RUNOFF COEFF	0.86	
RESIDENTIAL		POST DEV RUNOFF COEFF	0.86	
PUD	() DARWING LOT	AREA TO BE CLEARED	0.35	AC
OTHER	THER (X) PARKING LOT	AREA TO BE EXCAVATED	0	AC
	PRE-DEV IMPERVIOUSNESS	_		
		POST DEV IMPERVIOUSNESS	11437	

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

		2016-2017										
	J	F	М	Α	М	J	J	А	S	0	N	D
CLEARING										•		
ROUGH GRADING										•		
UTILITIES										•		
FINE GRADING										•		
PAVING										•	•	•
TOPSOIL AND SEEDING											•	•
LANDSCAPING			•	•	•						•	•
POST CONSTRUCTION BMPS											•	
TEMPORARY EROSION CONTROL	•	•	•	•	•					•	•	•

ACCEPTABLE EROSION CONTROL TIMETABLE

MOOE! !MOEE ENGO!O	. ,											
	J	F	М	А	М	J	J	А	S	0	N	
TEMPORARY SEEDING			•	•	•	•	•	•	•	•		
PERMENANT SEEDING			•	•	•	•	•	•	•	•		
LANDSCAPING			•	•	•				•	•	•	
MULCHING	•	•	•	•	•	•	•	•	•	•	•	
MAINTENANCE	•	•	•	•	•	•	•	•	•	•	•	

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SOILS MAP





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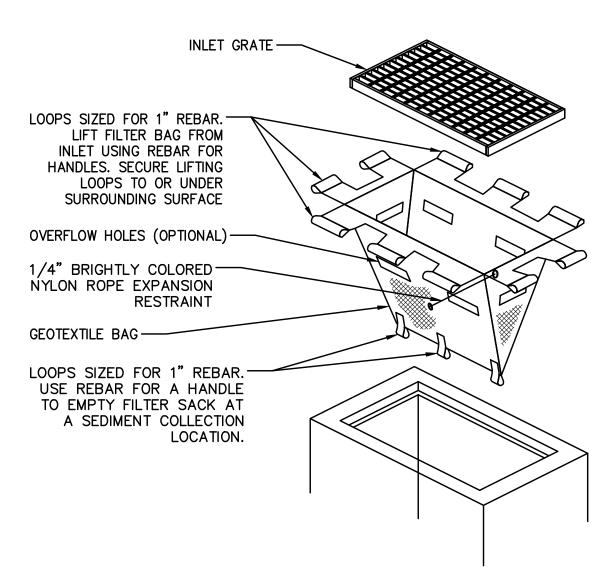
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SWPPP NOTES



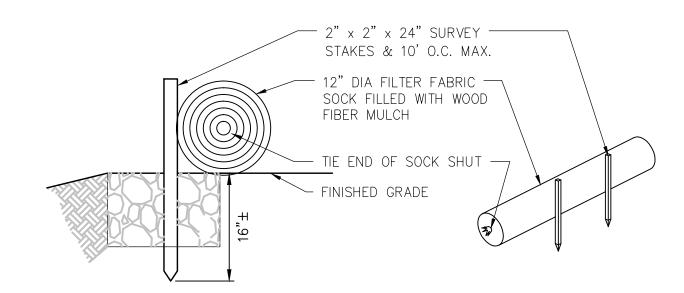
- 1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
- 2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC OR APPROVED EQUAL.
- 3. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
- 4. INSPECT PER REGULATORY REQUIREMENTS.
- 5. THE WDTH AND LENGTH OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH AND LENGTH OF THE GRATED INLET BOX.
- 6. THE DEPTH OF THE FILTER SACK SHALL BE BETWEEN 18" AND 36".

1 INLET PROTECTION DETAIL - CATCH BASIN SACK

10 NOT TO SCALE

NOTES: 1. WATTLES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING

- 2. EACH BALE SHALL BE PLACED ON PAVEMENT SURFACE. MAINTAIN EROSION CONTROL DEVICE UNTIL PLANTS ARE ESTABLISHED AND THE BIORETENTION IS STABILIZED.
- 3. WATTLES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES OR RE BARS DRIVEN THROUGH THE WATTLES. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE WATTLES TOGETHER.
- 4. THE CONTRACTOR SHALL INSPECT THE DIKE AFTER EACH STORM, AND BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SILT SOCK, BIOSWALE SOIL MIX AND PLANTINGS. REPAIRS SHALL BE MADE PROMPTLY AS NEEDED.
- 5. WATTLES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



BIORETENTION SILT SOCK DETAIL

NOT TO SCALE



Environmental

DISTRIC RKIN VELOPMEN DE SHORES OD GR Ŏ N N ST NORTHE/CORP. 70

REVISIONS

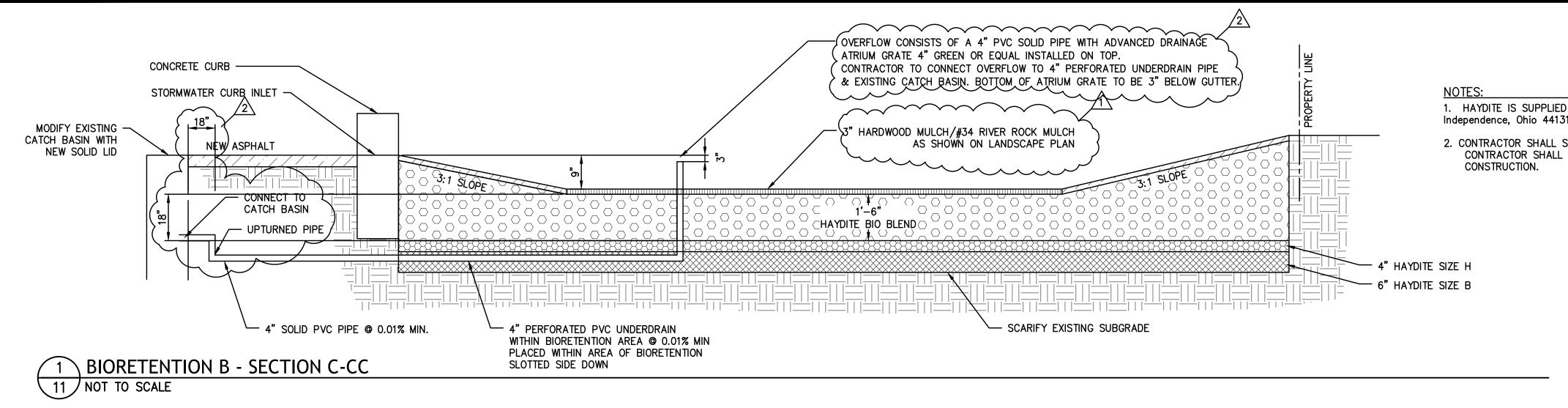
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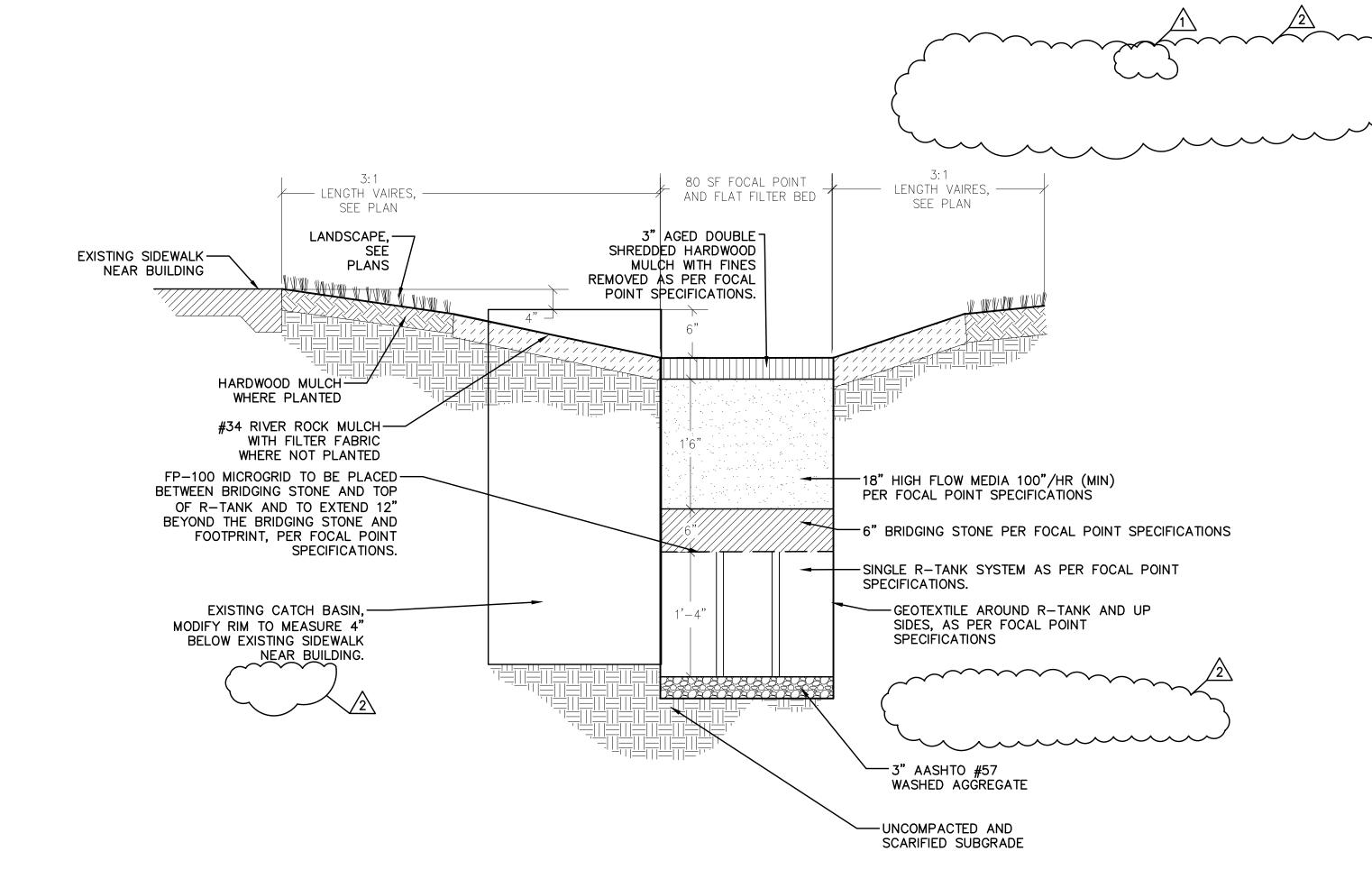
⚠ DATE DESCRIPTION

PROJECT NO.: 15-00290-010 DRAWN BY: CHECKED BY:

SWPPP DETAILS

SEPTEMBER 26, 2016





2 BIORETENTION A - SECTION F-FF

11 NOT TO SCALE

1. HAYDITE IS SUPPLIED BY DiGeronimo Aggregates LLC, 8900 Hemlock Road Independence, Ohio 44131, 216-536-7510 Houser, Todd thouser@digagg.com

2. CONTRACTOR SHALL STAKE BIORETENTION IN FIELD FOR APPROVAL BY OWNER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO OWNER FOR APPROVAL PRIOR TO



Environmental

Call before you dig.

DEVELOPMENT

DISTRIC

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JOOWNI-

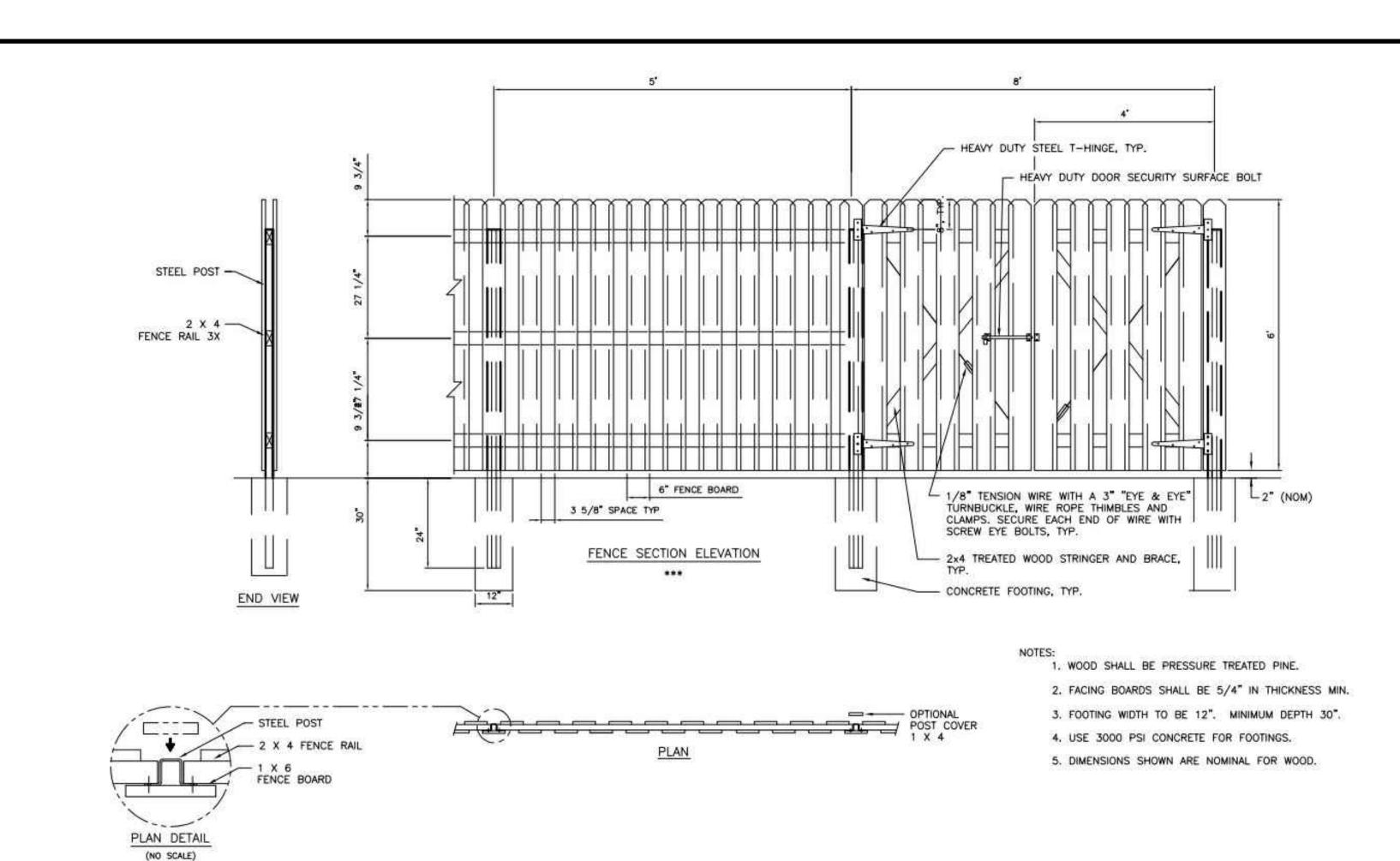
ARKING SHORES GR NORTHEAST CORP. $\mathbf{\Omega}$

DATE: _

REVISIONS ⚠ DATE DESCRIPTION 1 12/16/2016 NEORSD requested changes 2 3/10/2017- NEORSD requested revision-

PROJECT NO.: 15-00290-010 DRAWN BY: AL/GB CHECKED BY: DATE ISSUED: SEPTEMBER 26, 2016

CROSS SECTIONS



1 CURB DETAIL (ODOT TYPE 6)

12 NOT TO SCALE

ONE INCH EXPANSION JOINTS SHALL EXTEND UP TO THE TOP OF THE CURB AND SHALL BE

SUFFICIENT DISTANCE TO SEAL THE JOINT TO AN ELEVATION OF AT LEAST ONE INCH ABOVE

THE FLOW LINE OF THE GUTTER. DOWEL BARS SHALL BE USED IN THE CURB AND GUTTER SECTION AT EXPANSION JOINTS WHICH ARE IDENTICAL WITH THE JOINTS IN THE PAVEMENT. ALL JOINTS SHALL BE CONSTRUCTED PERPENDICULAR TO THE EDGE OF THE CURB AND TO

EXPANSION JOINT MATERIAL AND JOINT SEALER IS NOT REQUIRED FOR THAT PORTION OF

THE CURB WHICH IS ADJACENT TO A FLEXIBLE TYPE PAVEMENT. BOTH MATERIALS ARE

REQUIRED AS DETAILED FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.

-NORMAL CURB WIDTH

-PREFORMED JOINT MATERIAL,

JOINT SEALER

PAVEMENT

ITEM 705.03 *

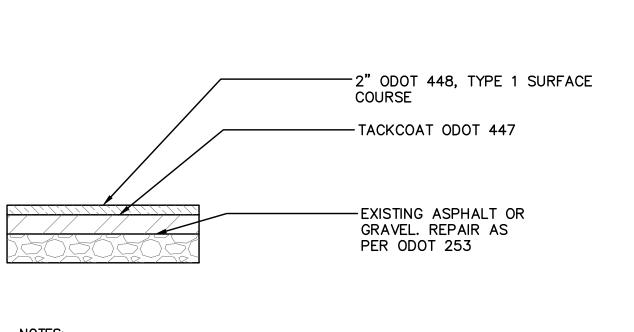
CONSTRUCTED IN THE CURB AND GUTTER SECTION IN SUCH A MANNER THAT THE JOINT SEAL WILL EXTEND THE FULL WIDTH OF THE GUTTER AND INTO THE CURB FACE A

NOTES: JOINTS:

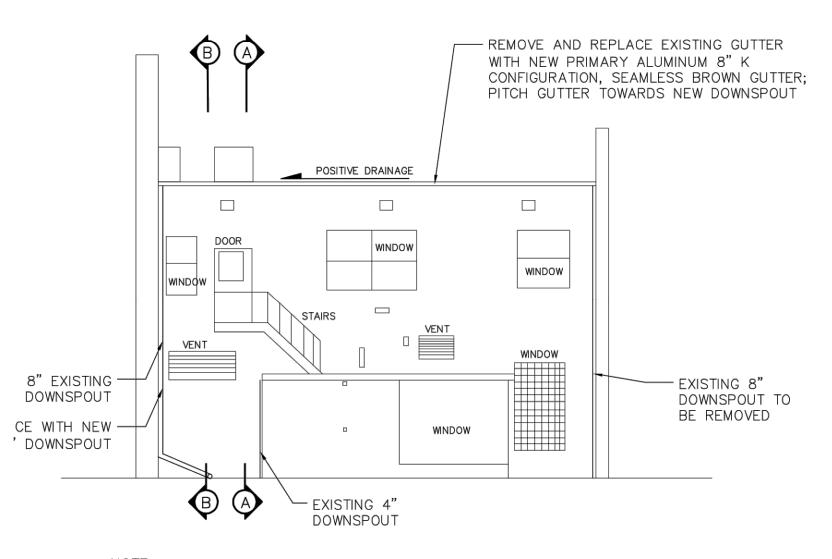
THE SURFACE OF THE PAVEMENT.

2 BOARD ON BOARD FENCE AND GATE DETAIL

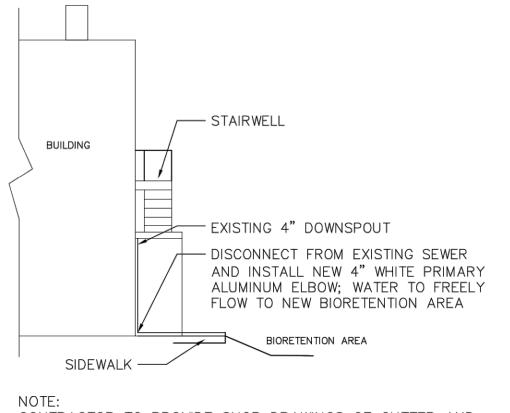
12 NOT TO SCALE



1) CONTRACTOR TO REMOVE A MINIMUM OF 2-INCHES EXISTING ASPHALT 2) CONTRACTOR TO ADD #304 AND ASPHALT MATERIAL AS NECESSARY TO ACHIEVE PROPOSED POSITIVE FLOWING DRAINAGE AS SHOWN ON PLANS

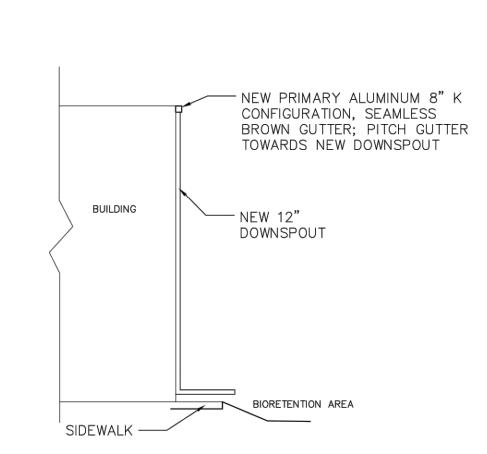


CAP EXISTING DOWNSPOUT CONNECTION TO SEWER SYSTEM WITH ABS SCREW CAP.



CONTRACTOR TO PROVIDE SHOP DRAWINGS OF GUTTER AND DOWNSPOUT CONFIGURATION AND MATERIALS LISTING TO OWNER PRIOR TO INSTALLATION.

ELEVATION SECTION A-A



ELEVATION SECTION B-B

DISTRIC VELOPMEN DE SHORES OD Δ NORTHE/ CORP. 0

Design Group

Know what's below. Call before you dig.

2ND FLOOR, SUITE 206

CLEVELAND, OH 44113

450 GRANT STREET 806 LITERARY ROAD

F: 330.375.1590 WWW.ENVDESIGNGROUP.COM

AKRON, OH 44311

T: 330.375.1390

REVISIONS ⚠ DATE DESCRIPTION PROJECT NO.:

15-00290-010 DRAWN BY: AL/GB CHECKED BY: DATE ISSUED: **SEPTEMBER 26, 2016**

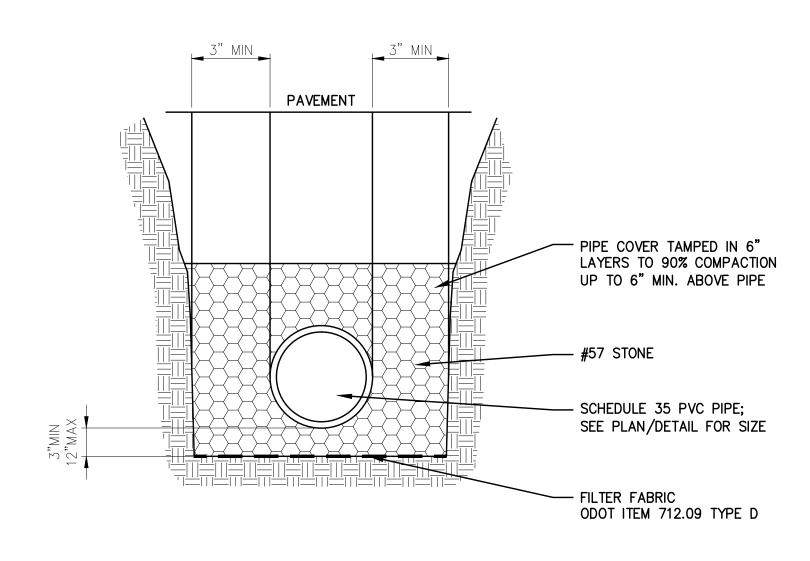
DETAILS

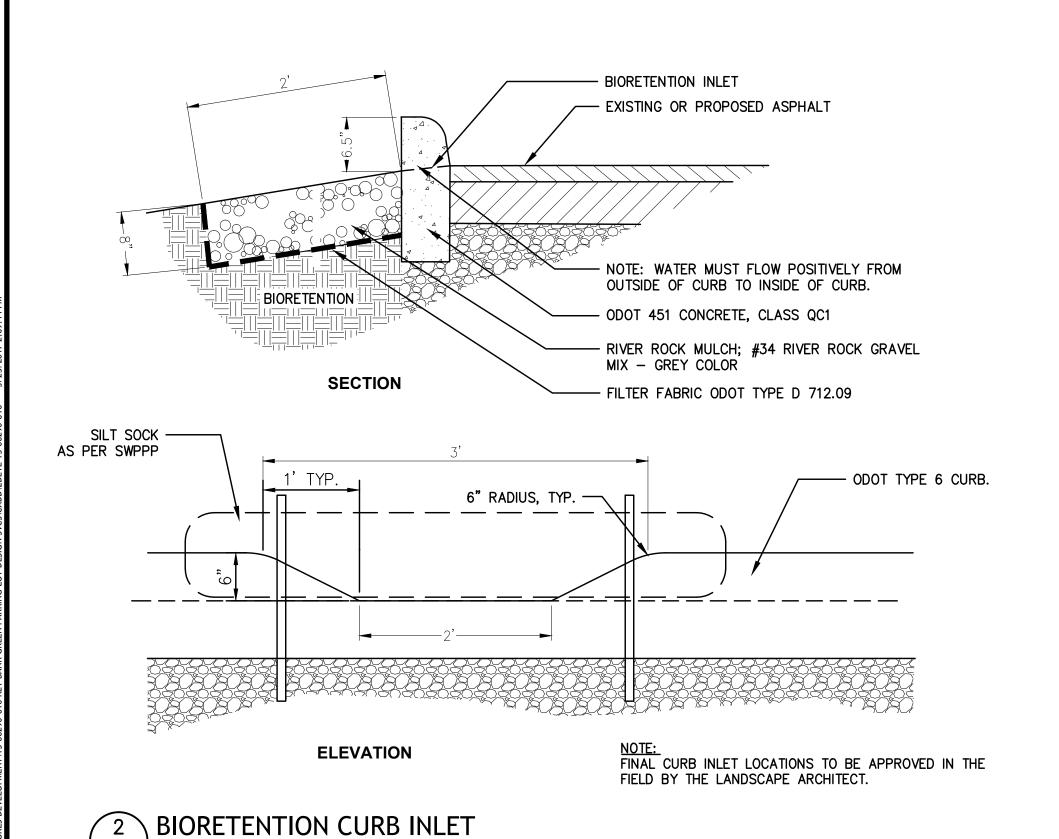
OF

3 ASPHALT PAVEMENT REPAIR DETAIL 12 NOT TO SCALE

4 BACK OF BUILDING ELEVATIONS

12 NOT TO SCALE





1 SOLID UNDERDRAIN PIPE DETAIL

13 NOT TO SCALE

13 NOT TO SCALE



DATE: ____REVISIONS

DATE DESCRIPTION

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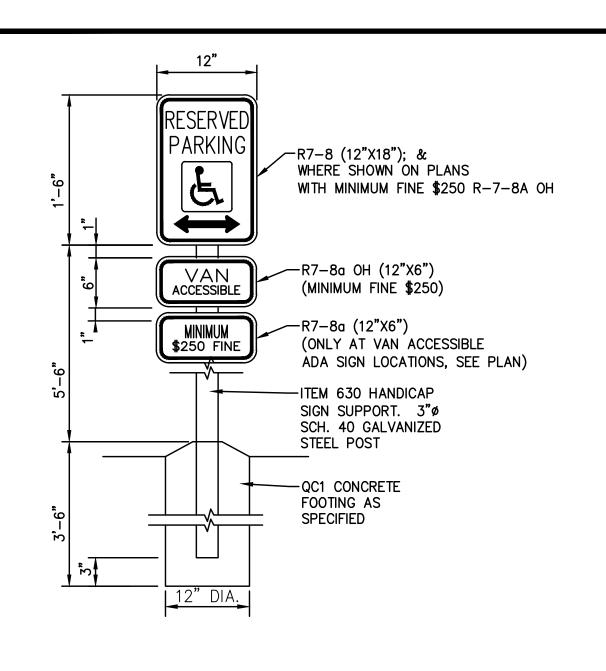
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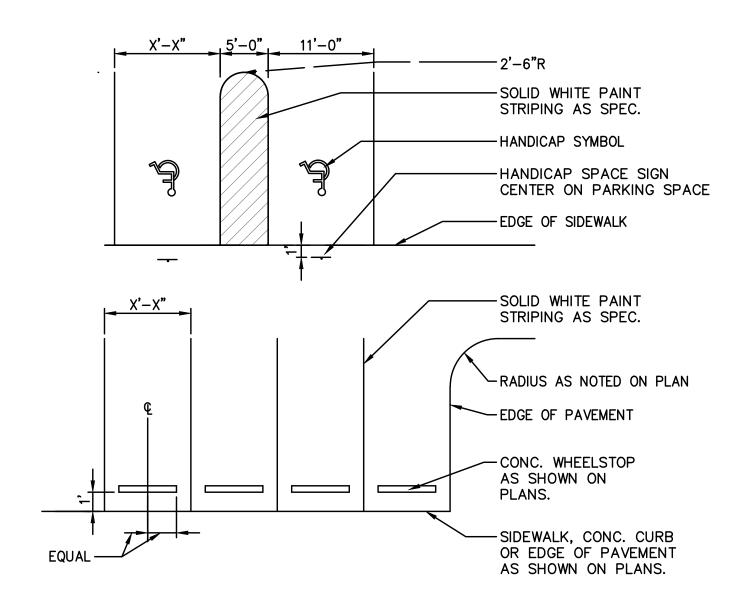
PROJECT NO.: 15-00290-010
DRAWN BY: AL/GB
CHECKED BY: KGH

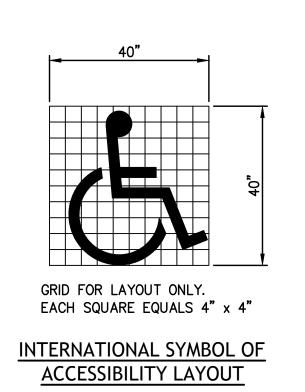
DATE ISSUED: SEPTEMBER 26, 2016

DETAILS

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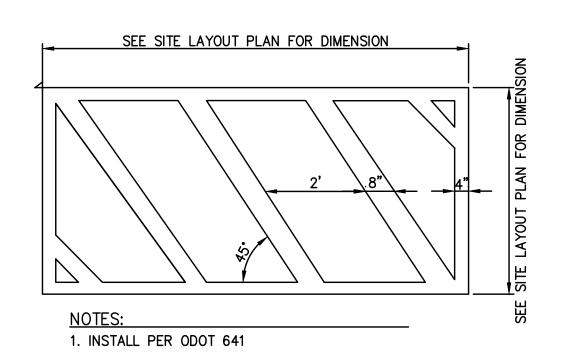
NOTES:
BOLLARD SLEEVES ARE TO FIT TIGHTLY TO
EXISTING BOLLARD DIAMETER. CONTRACTOR TO
INSTALL AS PER MANUFACTURERS INSTALLATION

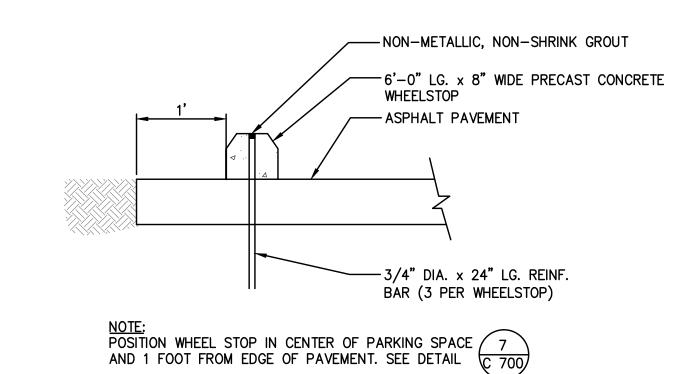
1 ACCESSIBLE PARKING SIGN

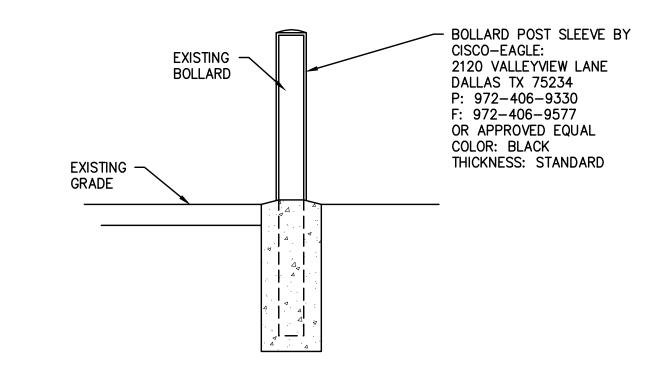
14 NOT TO SCALE

2 PARKING DIMENSION PLANS (90° STALLS)

14 NOT TO SCALE







3 NO PARKING AREA DETAIL

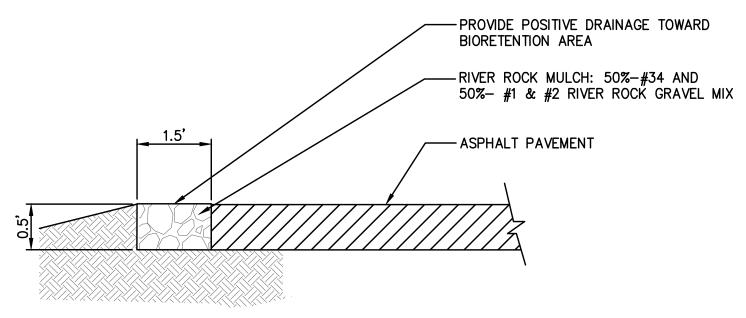
14 NOT TO SCALE

4 PRECAST CONCRETE WHEEL STOP

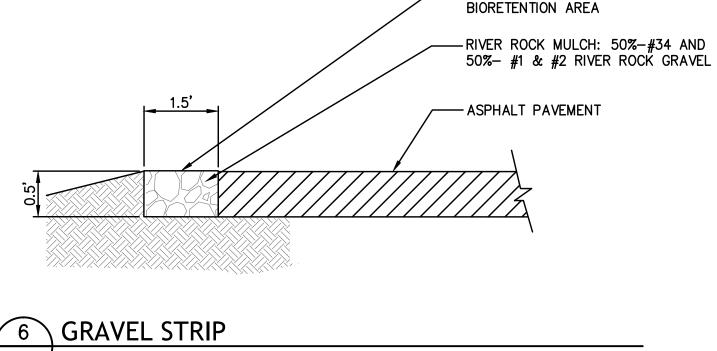
5 BOLLARD SLEEVE

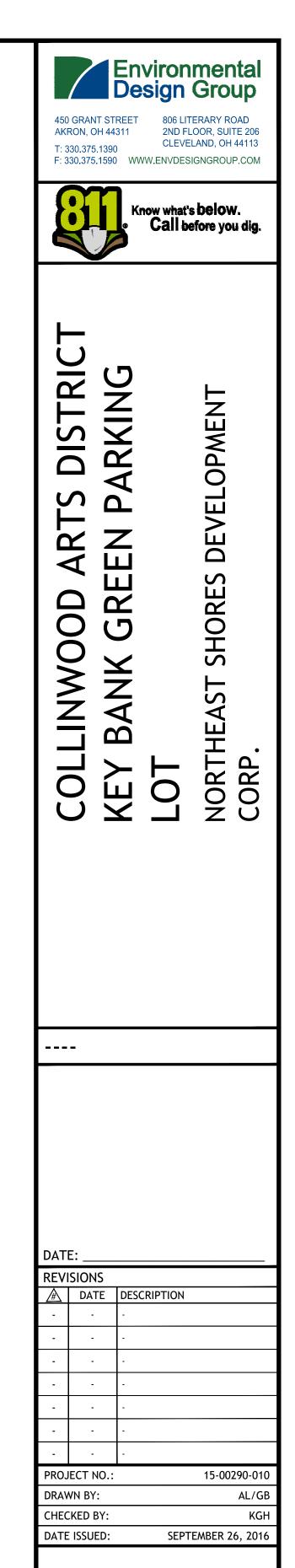
14 NOT TO SCALE

SPECIFICATIONS



14 NOT TO SCALE





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DETAILS