

GENERAL NOTES:

1. PROPOSED ELEVATIONS SHALL NOT BE CHANGED WITHOUT APPROVAL OF THE ENGINEER. ALL UTILITIES SHALL BE CONSTRUCTED, INSPECTED AND TESTED IN ACCORDANCE WITH TOWNSHIP, COUNTY AND ODOT STANDARDS. PROPOSED DRIVE APRONS SHALL BE INSPECTED AND APPROVED BY THE CITY OF HUDSON. PAVEMENT AND OTHER EXISTING IMPROVEMENTS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ODOT AND COUNTY SPECIFICATIONS.
2. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE NOTED. ALL BEARINGS ARE TO AN ASSUMED MERIDIAN AND ARE USED TO DENOTE ANGLES ONLY. FOR ACTUAL BUILDING DIMENSIONS REFER TO ARCHITECTURAL AND/OR STRUCTURAL PLANS. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT U.N.O.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SOIL SEDIMENT POLLUTION FROM THE SITE AND THE PROPER PLACEMENT AND MAINTENANCE OF EROSION CONTROL ITEMS IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICE. FOR STORMWATER POLLUTION AND PREVENTION SPECIFICATIONS AND DETAILS, REFER TO ODNr "RAINWATER AND LAND DEVELOPMENT MANUAL", 2006 EDITION.
4. UTILITIES SHOWN WERE TAKEN FROM AVAILABLE EXISTING UTILITY DRAWINGS AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES. CONTRACTOR SHALL ALERT THE OHIO UTILITIES PROTECTION SERVICE AT (800) 362-2764 AT LEAST 48 HRS PRIOR TO EXCAVATING. ANY UTILITIES FOUND DURING EXCAVATION AND NOT SHOWN ON PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE EXACT LOCATION, ELEVATION AND COMPLETENESS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY SITE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.
6. ALL PROPOSED GRASS AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER FINAL GRADING OF THE SITE. PAVED AREAS SHALL BE KEPT CLEAN OF MUD AND DIRT. TEMPORARY SEEDING SHALL BE IN PLACE IF CONSTRUCTION HAS STOPPED FOR MORE THAN 21 DAYS. SEE SWP3 DRAWINGS.
7. PREPARE SUBGRADE AND COMPACT ALL FILL UNDER BUILDING AND PARKING AREAS TO 98% STANDARD PROCTOR DENSITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING BY THE NUCLEAR DENSITY METHOD AS REQUIRED.
8. UNLESS NOTED OTHERWISE, SMOOTH LINED CORRUGATED PLASTIC PIPE (HDPE) SHALL BE HDPE ADS N-12, HANCOR SURE-LOK OR APPROVED EQUAL. PVC PIPE (PVC) SHALL BE ASTM D-3034 SDR 35 UNLESS OTHERWISE NOTED. REINFORCED CONCRETE PIPE (RCP) SHALL BE RUBBER GASKET JOINT, CLASS IV AND CONFORM TO ASTM C-76 AND O.D.O.T. 706.11. ELLIPTICAL CONCRETE PIPE SHALL BE CLASS HE-3 AND CONFORM TO ASTM C-507 AND O.D.O.T. 706.04. DUCTILE IRON PIPE (DIP) SHALL BE AWWA C-151-76 CLASS 52.
9. ALL STORM SEWER CONDUIT SHALL BE AS FOLLOWS: SMOOTH LINED CORRUGATED PLASTIC PIPE (HDPE) UNLESS NOTED OTHERWISE.
10. COORDINATE ALL SANITARY SEWER WORK WITH SUMMIT COUNTY. ALL SANITARY SEWER PIPE SHALL BE PVC PER ASTM D-3034 SDR 35 WITH GASKETED JOINTS PER ASTM F477. ALL SANITARY CONNECTIONS TO BE A MIN. OF 6" PVC WITH CLASS "B" BEDDING.
11. WATER SERVICE LINE SHALL BE POLYETHYLENE SDR 9 PRESSURE CLASS 200. BEDDING SHALL BE CLASS "C". BACKFILL SHALL BE #57 LIMESTONE AGGREGATE IN PAVEMENT AREAS. COORDINATE TAP AND VALVE INSTALLATION WITH CLEVELAND WATER DEPARTMENT.
12. BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION OBTAINED FROM PLAN PREPARED BY ALBER AND RICE, INC. DATED 11-17-25. BENCHMARK ELEVATION IS EXISTING FIRE HYDRANT NORTH EAST FLANGE BOLT ELEV=1063.86. ALL PROPOSED SPOT ELEVATIONS SHOWN ARE TO TOP OF PAVEMENT OR FINISH GRADE UNLESS NOTED OTHERWISE.
13. THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION (2003), INCLUDING CHANGES LISTED ON THE DRAWINGS, AND THE CITY OF HUDSON STANDARDS SHALL GOVERN THIS IMPROVEMENT.
14. REFER TO ARCHITECTURAL SITE PLAN FOR SITE ZONING AND LANDSCAPING PLANS. REFER TO ELECTRICAL SITE PLAN FOR PROPOSED SITE LIGHTING.

SYMBOL LEGEND

EXISTING	PROPOSED
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	



2 WORKING DAYS
BEFORE YOU DIG



CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICES

THE OIL AND GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE
P.O. BOX 206
GRANVILLE, OHIO 43023-0206
PHONE (614) 587-0486 OR
CALL TOLL FREE 800-925-0988

NEW BUILDING
for
DR. CARUSO

1465 NORTON AVENUE
HUDSON, OHIO
PPN: 30-10362

INCLUDING STORM SEWERS
& DETENTION BASIN

OWNER:

DARROW FAMILY DENTAL CENTRE
4466 DARROW ROAD SUITE #16
STOW, OH 44224
(330) 688-3115

PROJECT MANAGER:

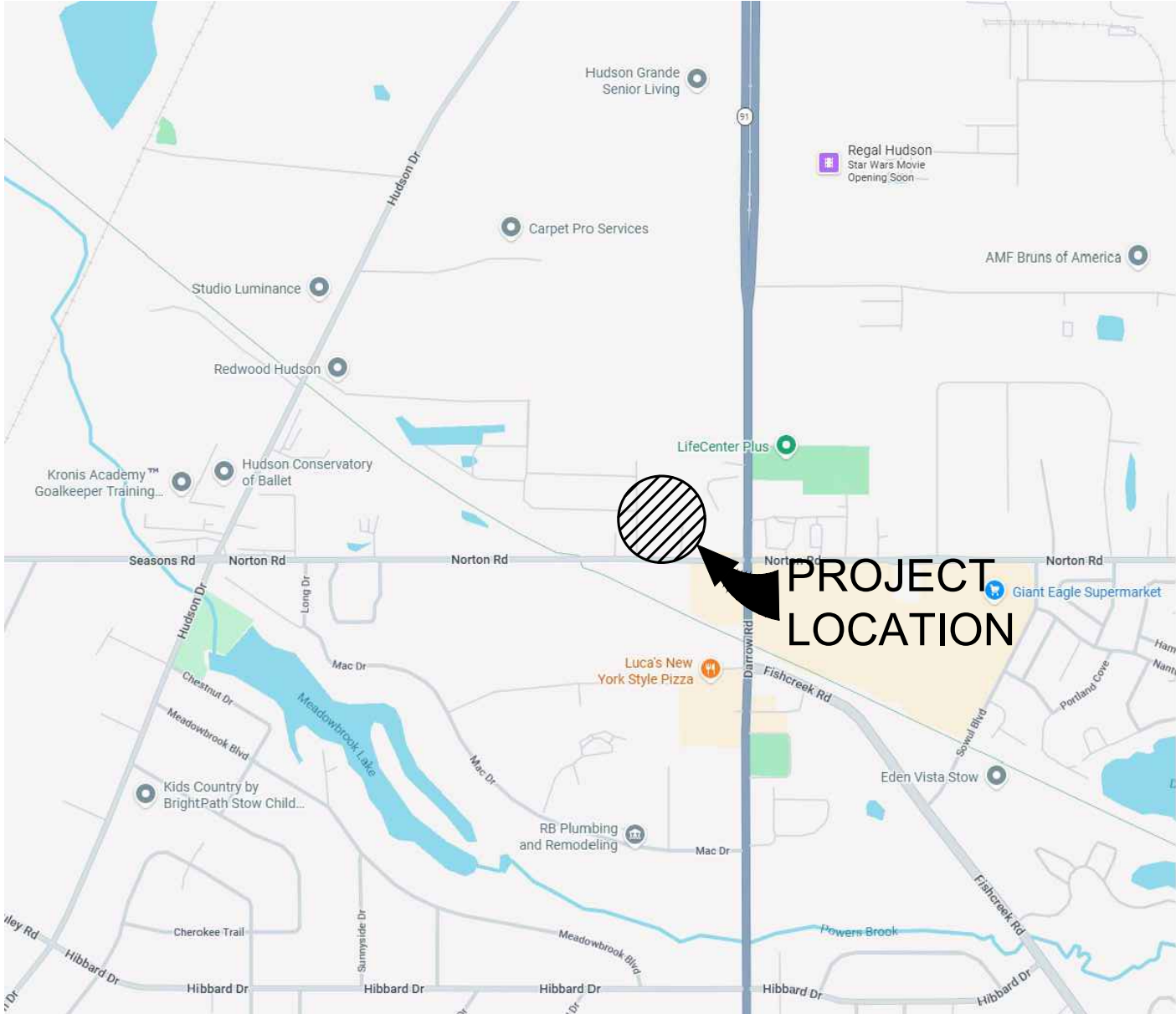
BCI DENTAL AND MEDICAL SPECIALISTS
2950 WESTWAY DRIVE, SUITE 109
BRUNSWICK, OH 44212
(216) 387-4346
CONTACT: BILL SAVEL

CIVIL ENGINEER & SURVEYOR:

ALBER AND RICE, INC. - CONSULTING ENGINEERS
31913 COOK ROAD
NORTH RIDGEVILLE, OHIO 44039
(216) 252-7840
CONTACT: CORY HEDBERG , JAMI KING

DRAWING INDEX

SHEET	DESCRIPTION
C0.0	TITLE SHEET
C1.0	SITE DEMOLITION PLAN
C2.0	SITE LAYOUT AND PAVEMENT PLAN
C3.0	SITE UTILITIES PLAN
C3.1	UTILITY DETAILS
C4.0	SITE GRADING PLAN
C5.0	SITE STORMWATER POLLUTION PREVENTION PLAN
C5.1	SWPPP DETAILS
C5.2	SWPPP DETAILS



LOCATION MAP

NO SCALE

UTILITIES

WATER:

AKRON WATER DEPARTMENT
1460 TRIPLETT BLVD
AKRON, OHIO 44306
330.375.2554

SANITARY/STORM:

DEPARTMENT OF SANITARY SEWER SERVICES
1180 S MAIN ST, #201
AKRON, OHIO 44301
800.828.2087

GAS:

ENBRIDGE GAS OHIO
2100 EASTWOOD AVE
AKRON, OHIO 44305
1.800.362.7557

ELECTRIC:

HUDSON PUBLIC POWER
1140 TEREX ROAD
HUDSON, OHIO 44236
330.342.1710
330.342.1415

TELEPHONE:

WINDSTREAM
866.445.8084

TIME WARNER
877.772.2253

VELOCITY BROADBAND
330.342.9544



SURVEYING + CIVIL + STRUCTURAL
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PROJECT:

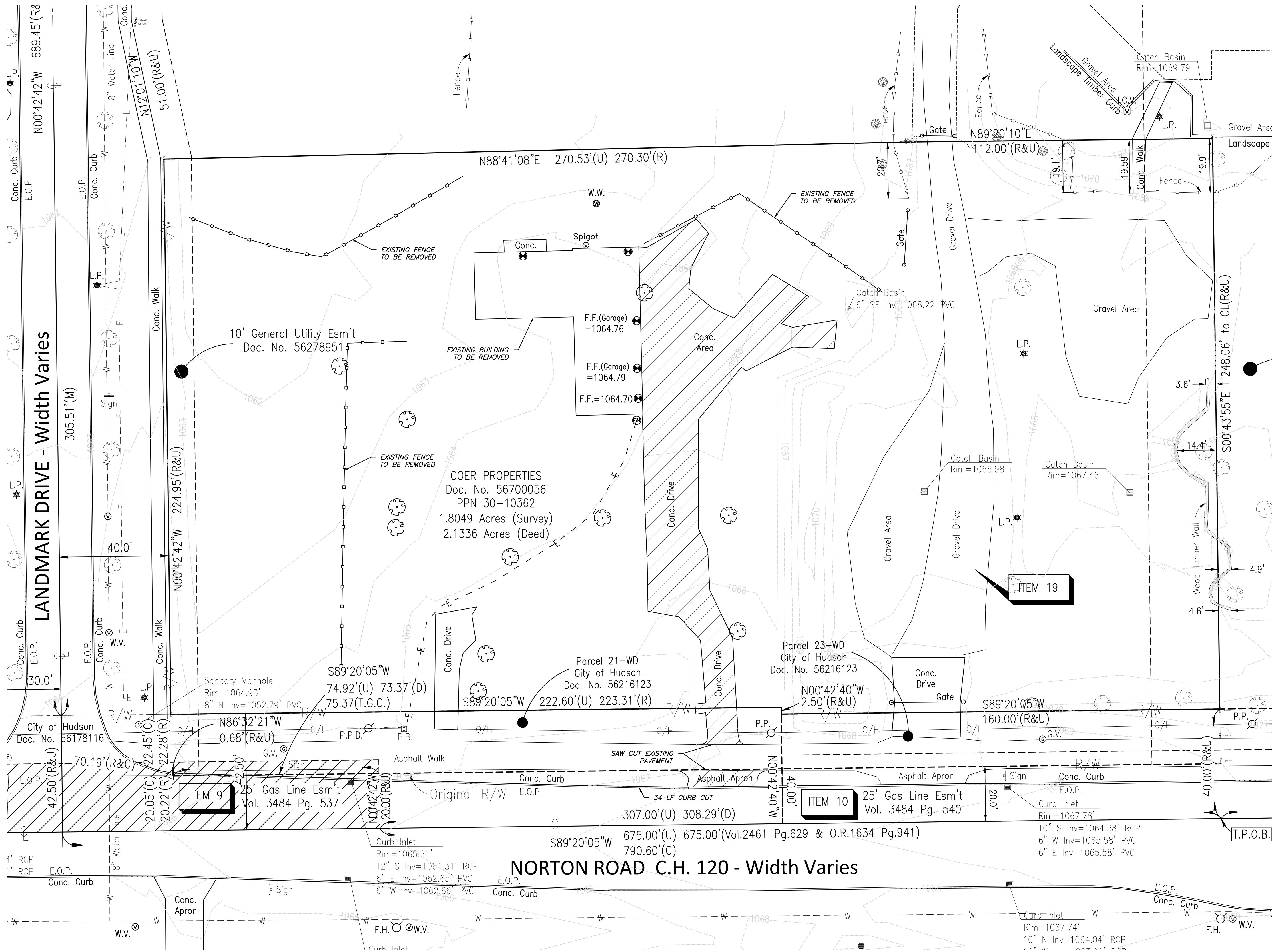
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NEW OFFICE BUILDING
1465 NORTON AVE.
HUDSON, OHIO

ISSUE:	DATE:
SUBMITTAL	06-11-26
A&R PROJECT NO.	2509-31

TITLE SHEET

SHEET NO.

C0.0



SITE DEMOLITION PLAN

SCALE 1" = 20'



DEMOLITION AND CLEARING NOTES:

- 1) ALL STORM WATER EROSION PREVENTION PRACTICES MUST BE INSTALLED BEFORE ANY EARTH MOVING OCCURS. REFER TO STORM WATER POLLUTION PREVENTION (S.W.P.P.) PLAN AND NOTES.
- 2) PRIOR TO START OF CONSTRUCTION AND AFTER THE INSTALLATION OF EROSION MEASURES THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE PER ODOT ITEM 201. ALL ORGANIC MATERIAL SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF PROPERLY. REMOVE ALL EXISTING STRUCTURES AND DEBRIS FROM THE SITE AS DIRECTED BY OWNER.
- 3) COORDINATION OF SERVICES TO ADJOINING PROPERTIES DURING DEMOLITION AND CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. SAFETY AND PUBLIC PROTECTION SHALL BE THE CONTRACTORS RESPONSIBILITY.
- 4) PROTECTION OF SURVEY POINTS AND MONUMENTATION SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR AND THEIR AGENTS.
- 5) CONTRACTOR SHALL CONTROL DUST FROM SITE WORK ACTIVITIES AS REQUIRED BY LOCAL ORDINANCES.
- 6) ALL SOLID, SANITARY, AND TOXIC WASTES MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- 7) SAWCUT AREAS ADJOINING EXISTING PAVEMENT TO REMAIN.
- 8) ALL TOPSOIL STRIPPED FROM THE SITE SHALL BE STOCKPILED ON-SITE AND SPREAD IN ALL LAWN AND LANDSCAPED AREAS TO A MINIMUM OF 6" THICKNESS.
- 9) DEMOLITION OF EXISTING STRUCTURES SHALL BE IN ACCORDANCE WITH THE CITY OF HUDSON AND OHIO EPA REQUIREMENTS. DEMOLITION CONTRACTOR SHALL BE CERTIFIED BY THE CITY OF HUDSON AND SHALL HAVE REQUIRED BONDING AND INSURANCE COVERAGE.

HATCH LEGEND:

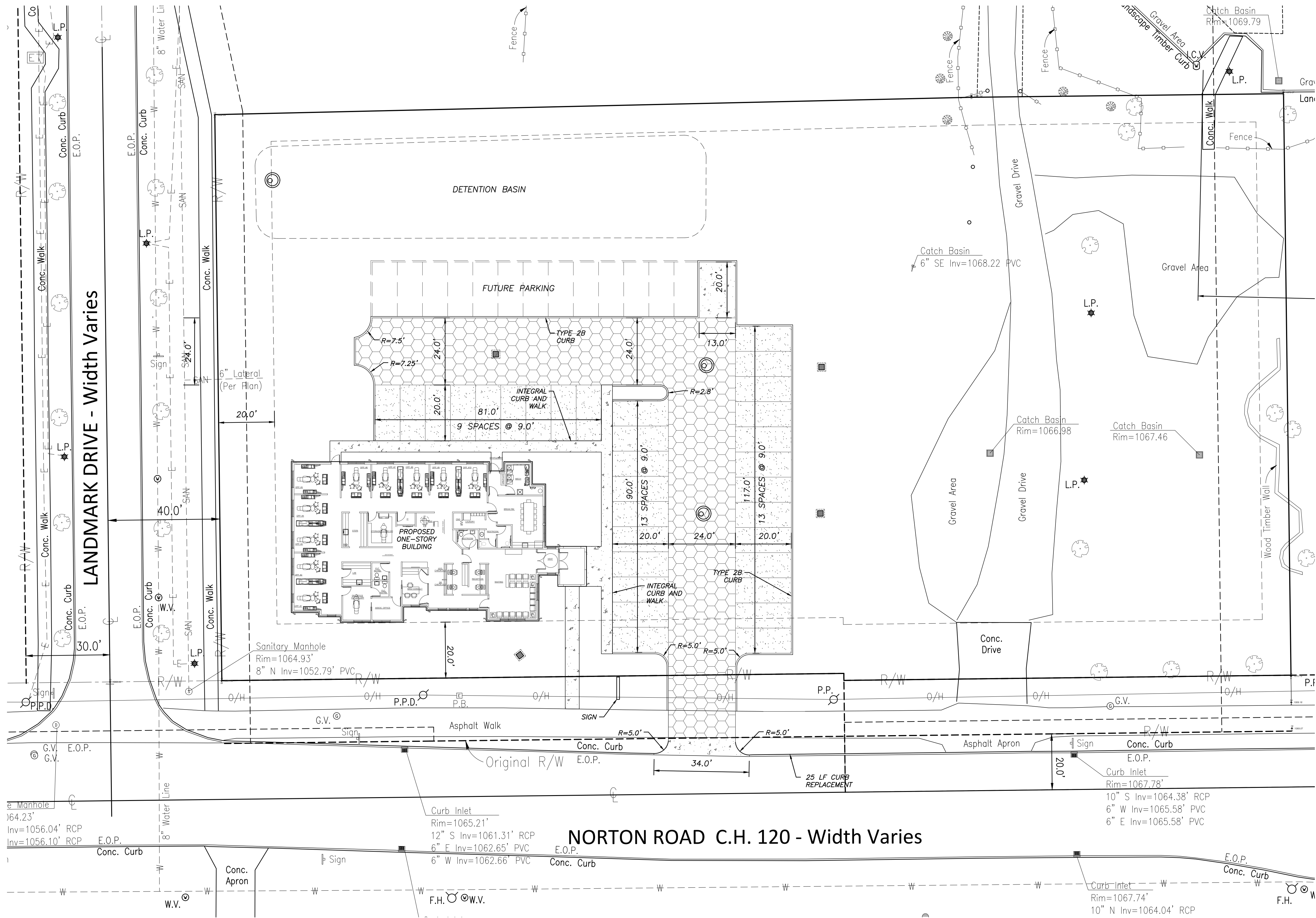
- TREE REMOVAL
- PAVEMENT REMOVAL

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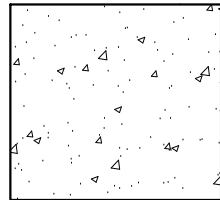
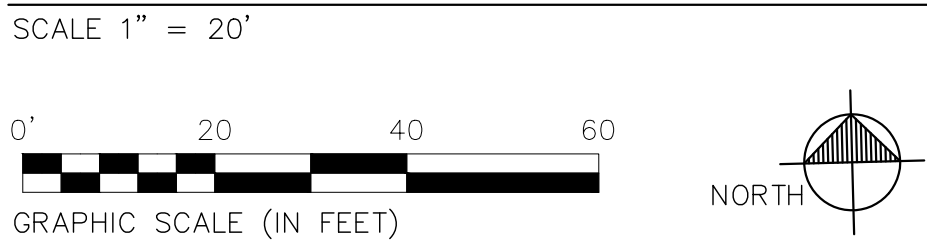
PROJECT:

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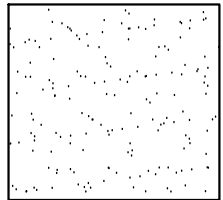
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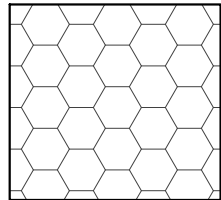
SITE LAYOUT AND PAVEMENT PLAN



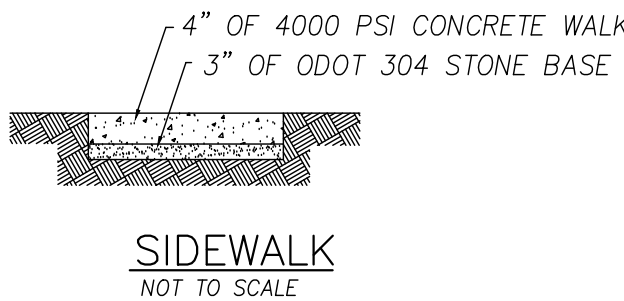
CONCRETE WALK



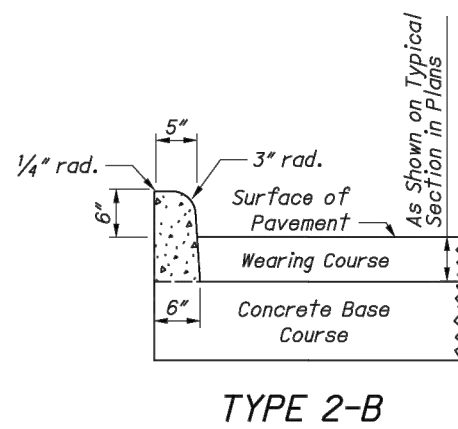
STANDARD DUTY ASPHALT PAVEMENT



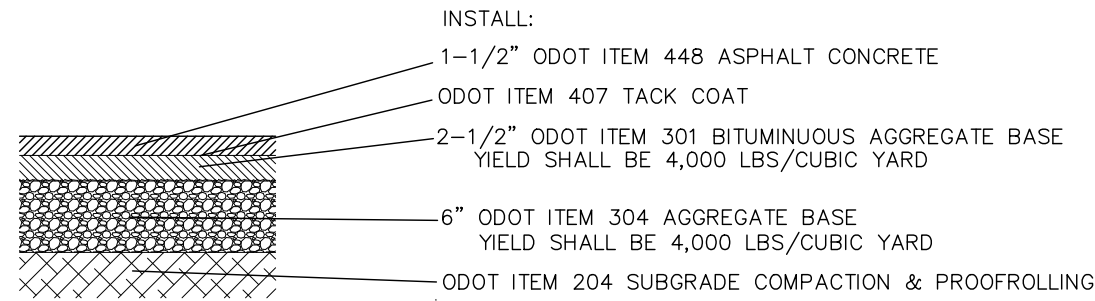
HEAVY DUTY ASPHALT PAVEMENT



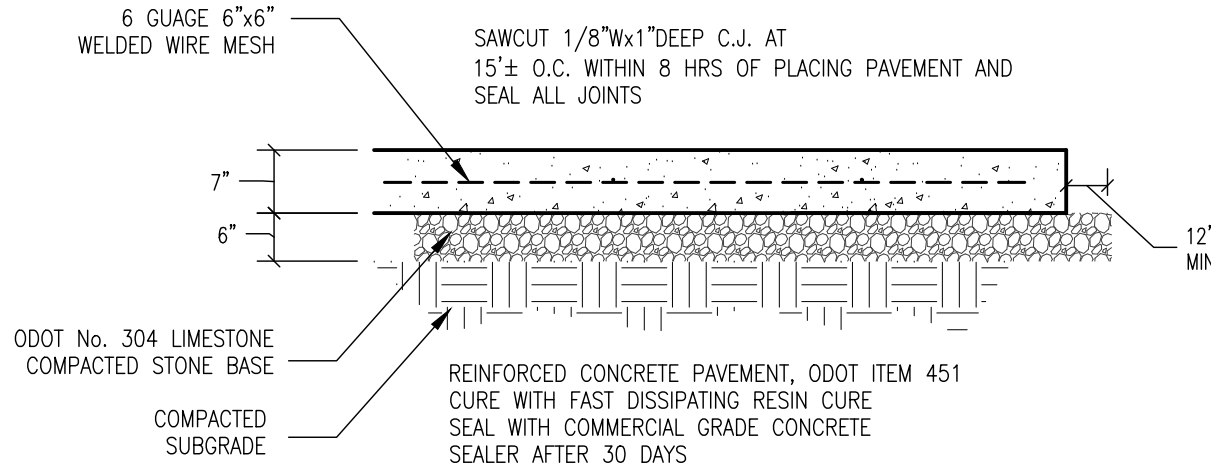
SIDEWALK
NOT TO SCALE



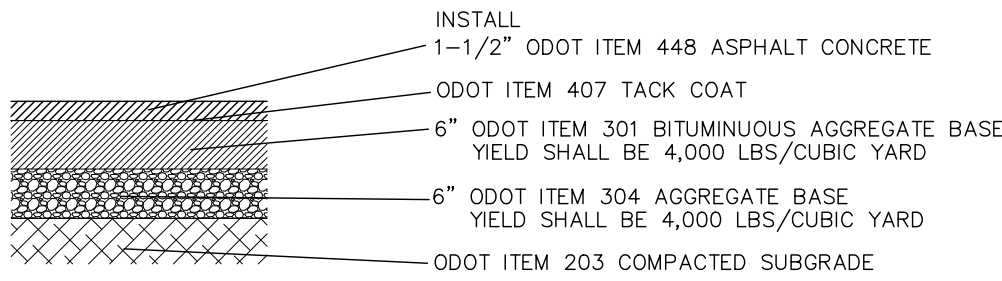
TYPE 2-B



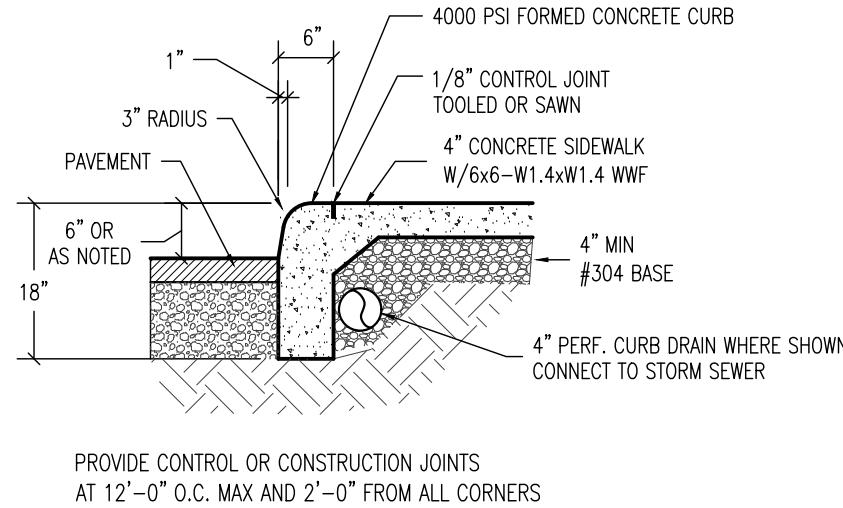
STANDARD ASPHALT PAVEMENT SECTION
NTS



REINFORCED CONCRETE DUMPSTER PAD
NTS

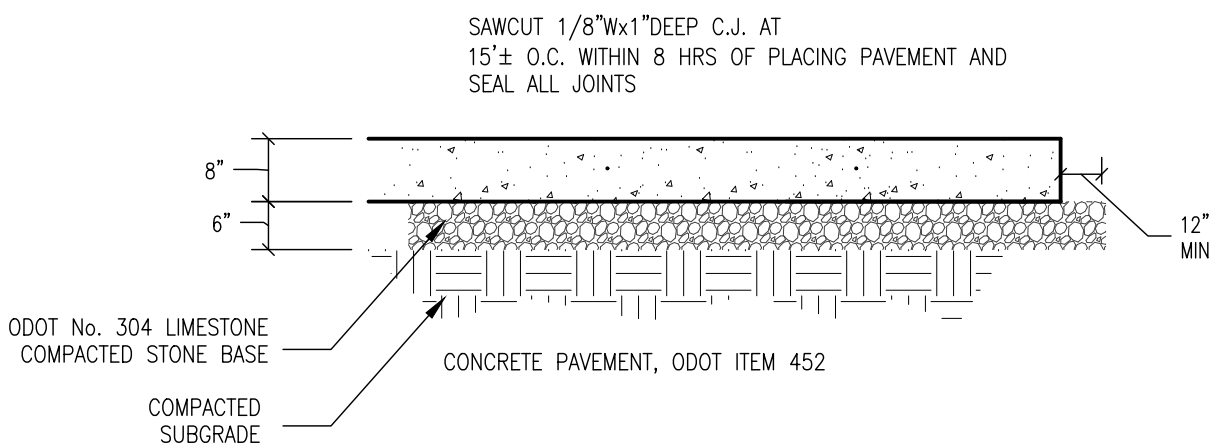


HEAVY DUTY ASPHALT PAVEMENT SECTION
NTS



PROVIDE CONTROL OR CONSTRUCTION JOINTS
AT 12'-0" O.C. MAX AND 2'-0" FROM ALL CORNERS

CONCRETE CURB AND INTEGRAL WALK DETAIL
NTS



CONCRETE DRIVE APRON
NTS



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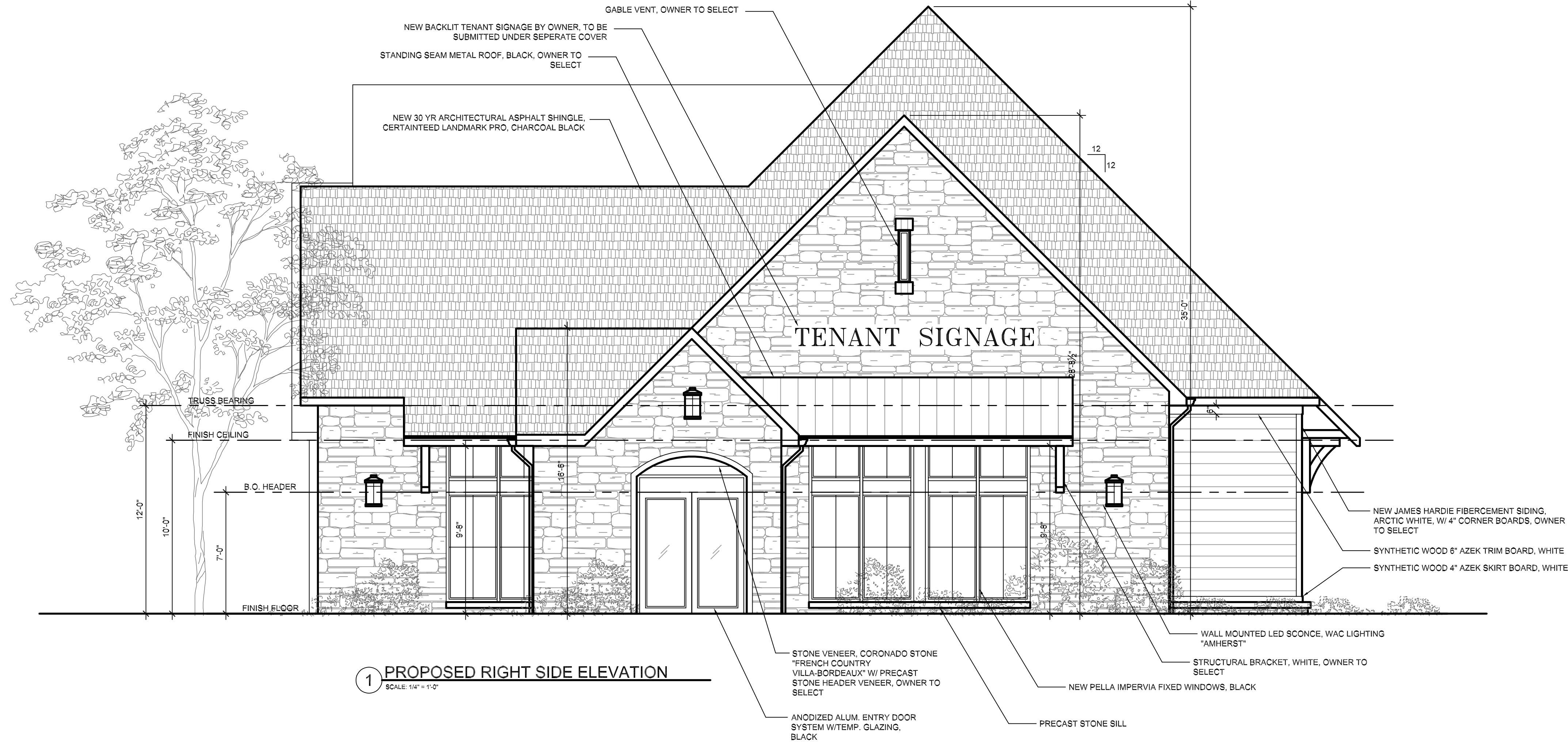
SITE LAYOUT AND
PAVEMENT PLAN

SHEET NO.

C2.0

RIGHT SIDE ELEVATION:
STONE (852 SQ. FT.)
SIDING (92 SQ. FT.)
TOTAL: 90% STONE COVERAGE

FRONT ELEVATION:
STONE (1,283 SQ. FT.)
SIDING (490 SQ. FT.)
TOTAL: 72% STONE COVERAGE



1 PROPOSED RIGHT SIDE ELEVATION
SCALE: 1/4\"/>



2 PROPOSED FRONT ELEVATION
SCALE: 1/4\"/>

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LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9694 FAX 440-76-8697



LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE 12/31/2027

NEW DENTAL OFFICE BUILDING FOR:
DR. CARUSO
1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021

DATE: 03.05.2026

ISSUE: REVIEW

SHEET:

A2.1

REAR ELEVATION:
STONE (117 SQ. FT.)
SIDING (1,080 SQ. FT.)
TOTAL: 9% STONE COVERAGE

LEFT SIDE ELEVATION:
STONE (56 SQ. FT.)
SIDING (850 SQ. FT.)
TOTAL: 6% STONE COVERAGE



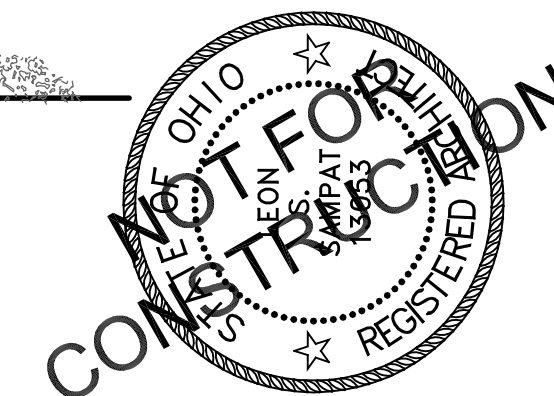
3 PROPOSED REAR ELEVATION
SCALE: 1/4" = 1'-0"



4 PROPOSED LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

REV.	DATE

LS ARCHITECTS
22082 LORAIN ROAD
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LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE 12/31/2027

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1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021

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A2.2



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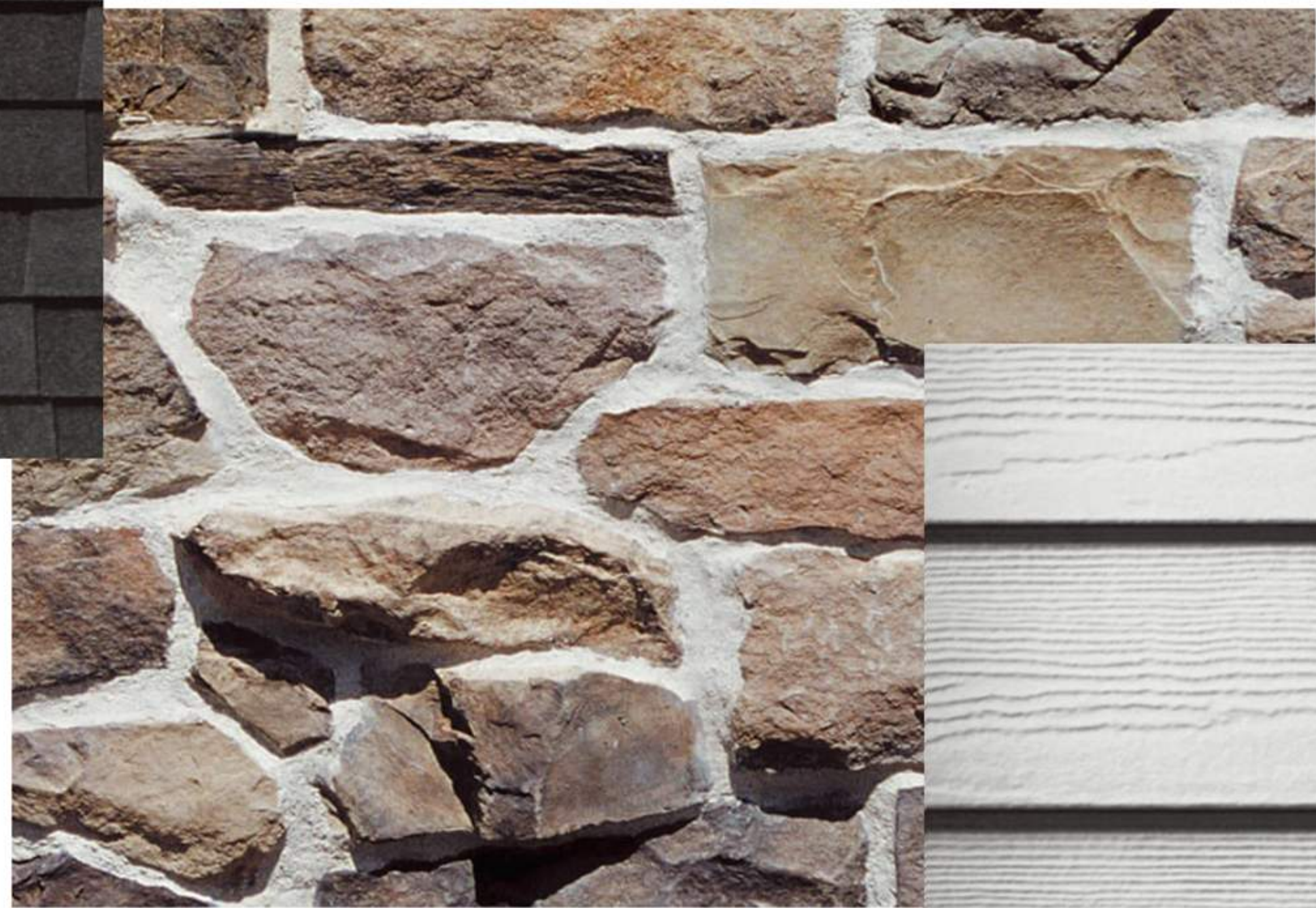
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WINDOWS:
 PELLA IMPERVIA
 FIBERGLASS, BLACK



ASPHALT SHINGLES:
 CERTAINTEED
 LANDMARK PRO,
 CHARCOAL BLACK



STONE VENEER:
 FRENCH COUNTRY VILLA-BORDEAUX
 CORANADO STONE



SIDING:
 JAMES HARDIE FIBERCEMENT
 CEDARMILL PLANK,
 ARCTIC WHITE



METAL ROOF:
 STANDING SEAM, OWNER
 TO SELECT, BLACK



LED SCONCE:
 WAC LIGHTING
 "AMHERST"

LEON S. SAMPAT
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 HUDSON, OH

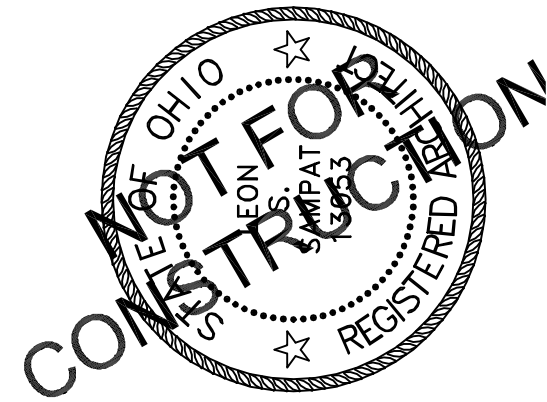
JOB NO: 26-021
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M.1

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NEW DENTAL OFFICE BUILDING FOR:
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HUDSON, OH

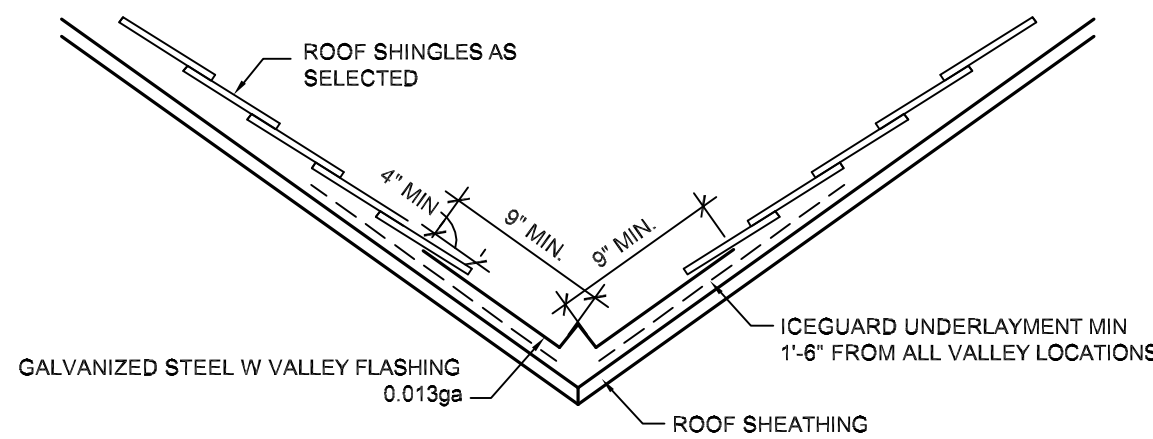
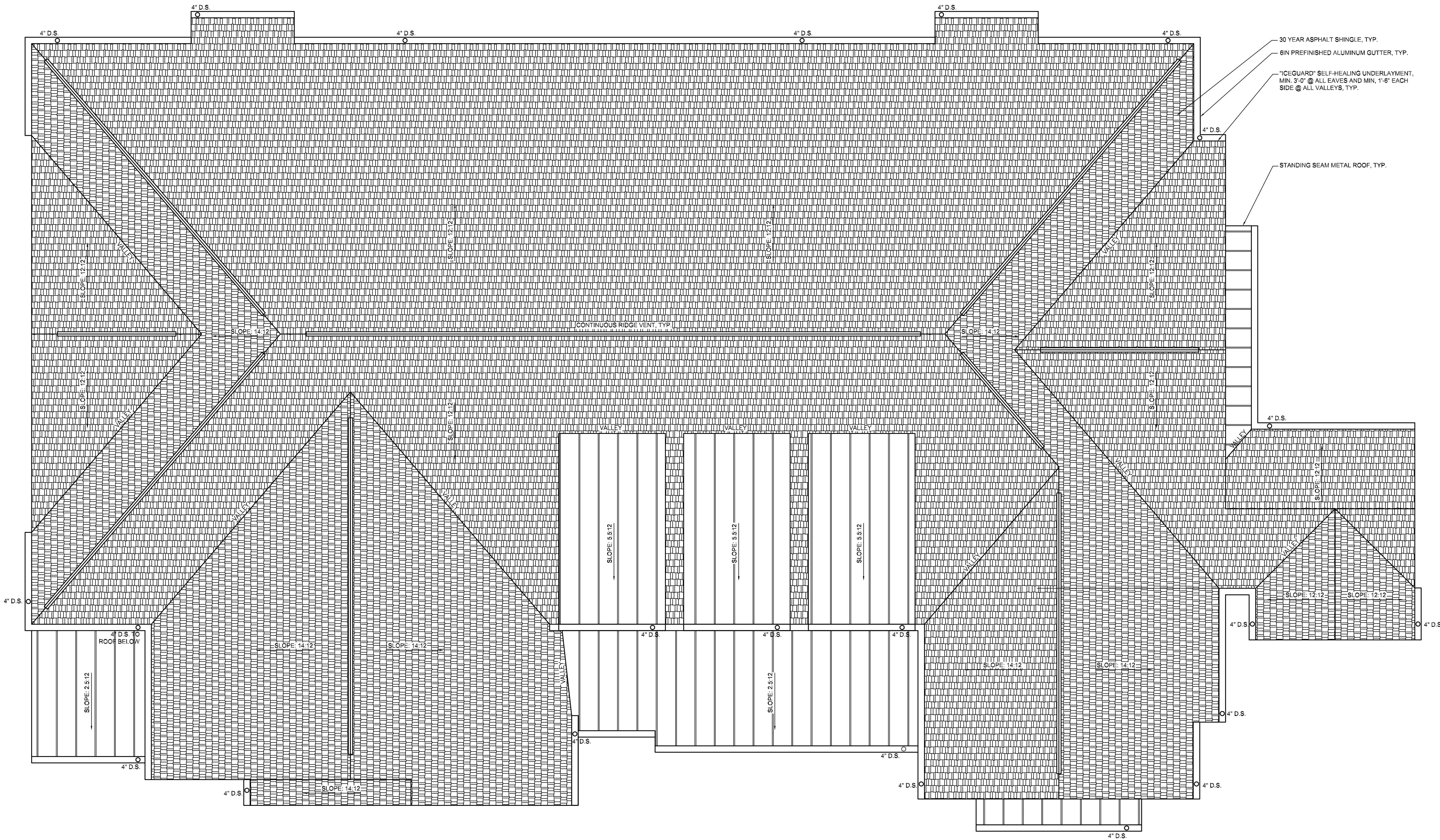
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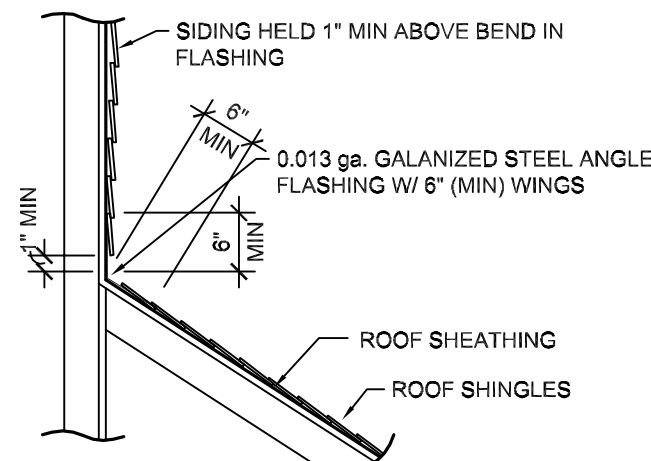
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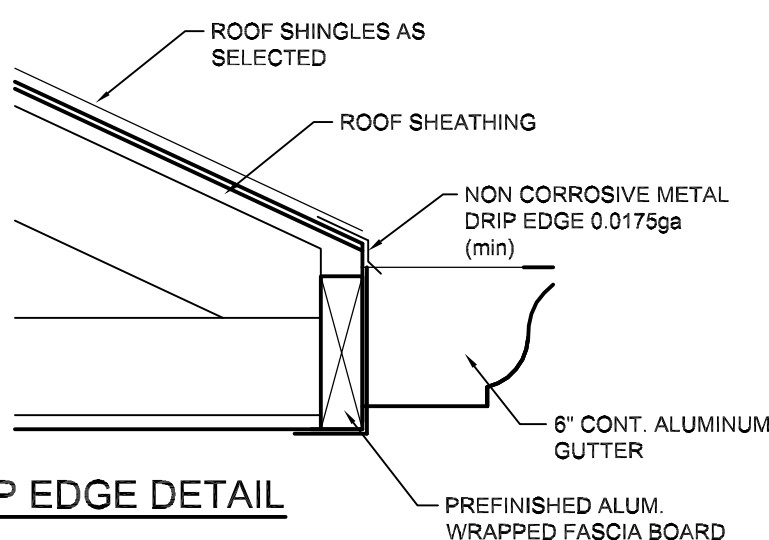
A1.2



ROOF VALLEY DETAIL
NTS



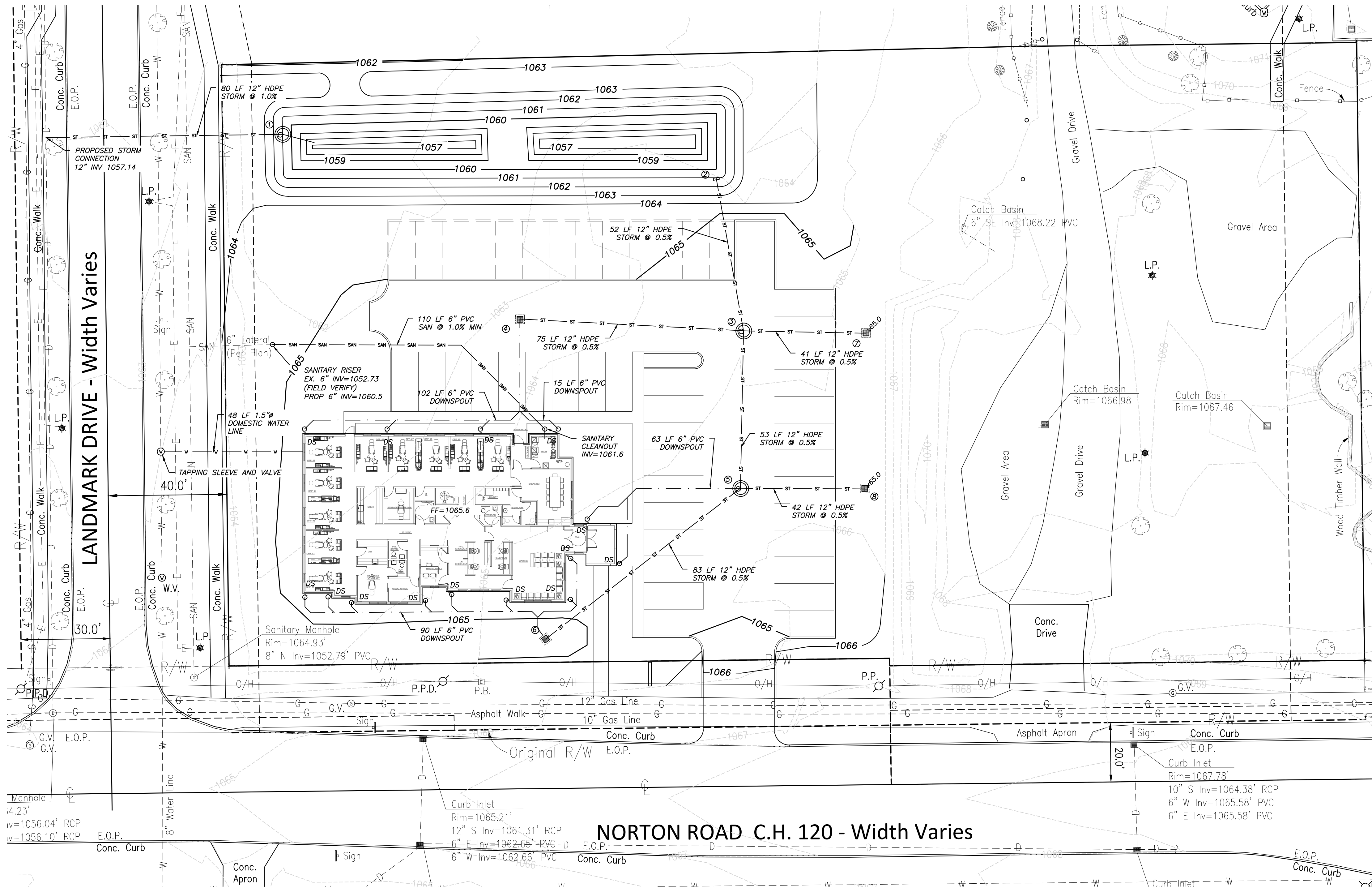
FLASHING DETAIL
NTS



DRIP EDGE DETAIL
NTS

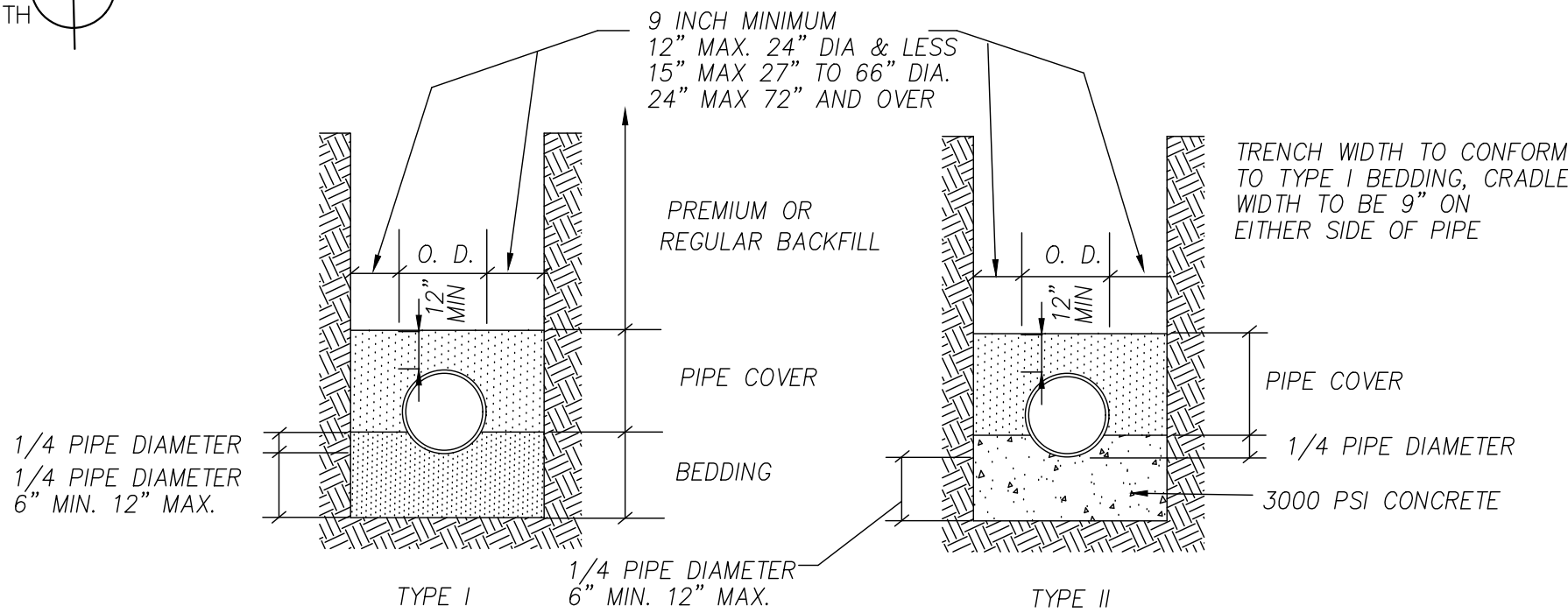
ROOF PLAN
SCALE 1/4" = 1'-0"





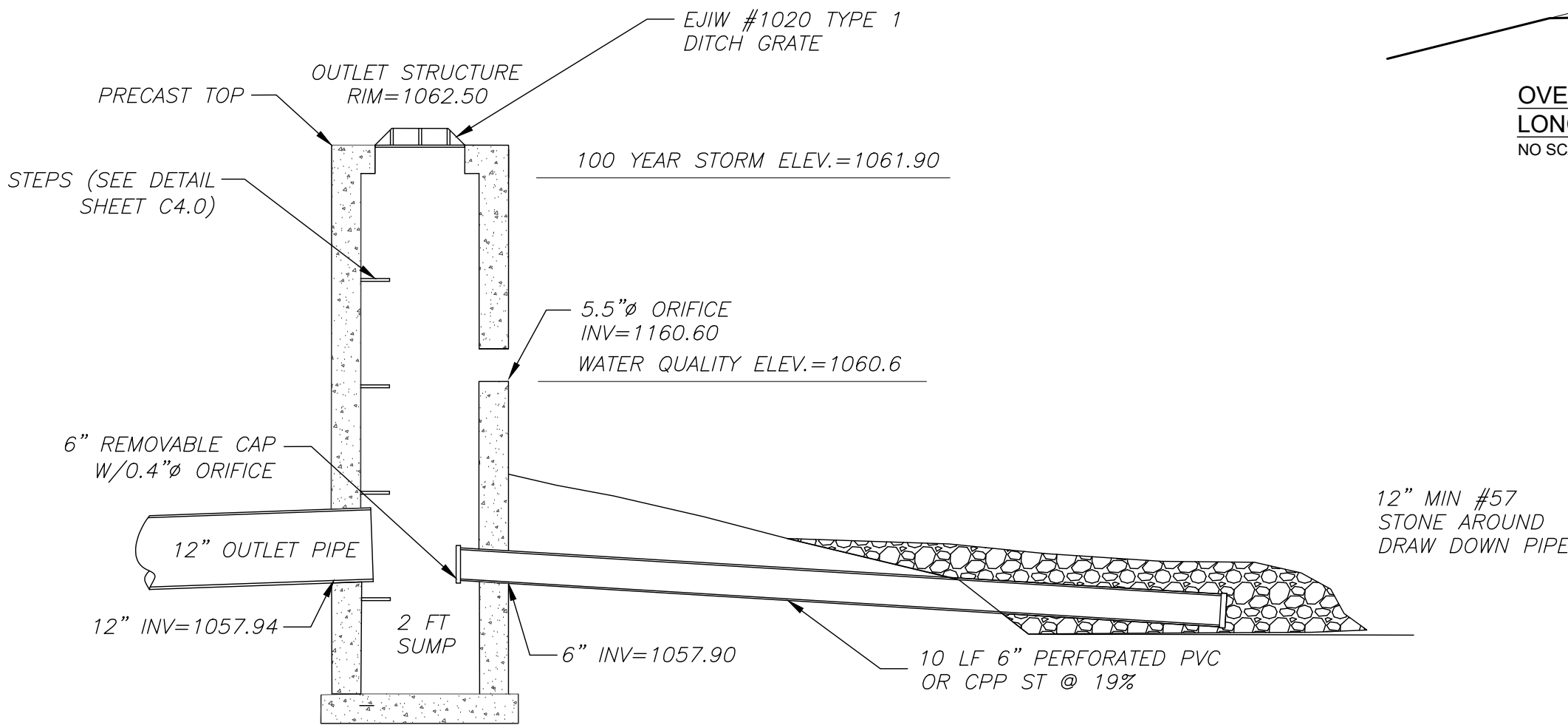
SITE UTILITIES PLAN

SCALE 1" = 20'



PREMIUM BACKFILL SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 6, 67, 7, 78, 8, ALSO LIMESTONE SCREENINGS.
PIPE COVER SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 6, 67, 7, 78, 8
BEDDING SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 6, 67, 68, 7, 78, 8 FOR 60" OR SMALLER DIA. PIPE, FOR 66" OR LARGER PIPE NO. 4 AGGREGATE MAY ALSO BE USED.

TRENCH DETAIL FOR FLEXIBLE PIPE



DETENTION POND OUTLET STRUCTURE #1 DETAIL

NOT TO SCALE

NOTE: DO NOT INSTALL PERMANENT TRICKLE DOWN PIPE UNTIL DRAINAGE AREA HAS BEEN STABILIZED WITH VEGETATION TO PREVENT CLOGGING.

STORM SEWER STRUCTURE SCHEDULE:

NOTE: ALL APPLICABLE CAST IRON CATCH BASIN GRATES AND INLET COVERS SHALL BE MARKED WITH MESSAGES SUCH AS "DUMP NO WASTE, DRAINS TO WATERWAYS"

- 1

ODOT 48" MANHOLE WITH GRATE (SEE DETAIL)
RIM EL=1062.50
12" W INV=1057.94
- 2

ODOT 12" HEADWALL
12" INV=1061.00
- 3

ODOT 48" MANHOLE WITH GRATE
RIM EL=1064.30
12" N,E,S,W INV=1061.26
- 4

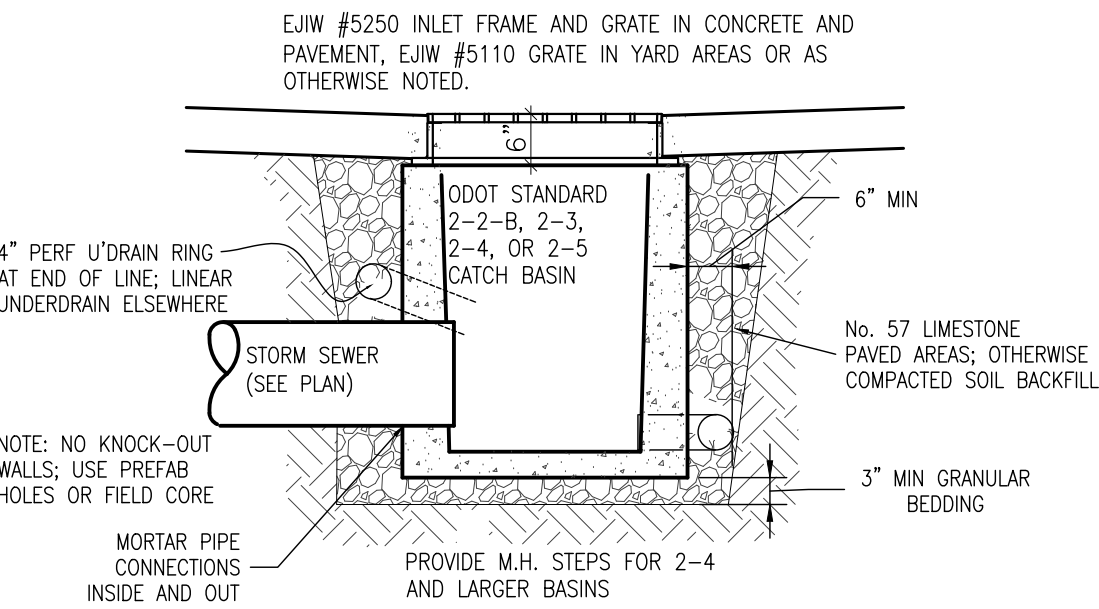
ODOT 2-2B CATCH BASIN
EJIW #5250
RIM EL=1064.00
12" E INV=1061.64
- 5

ODOT 48" MANHOLE WITH GRATE
RIM EL=1064.00
12" N,E,SW INV=1061.53
- 6

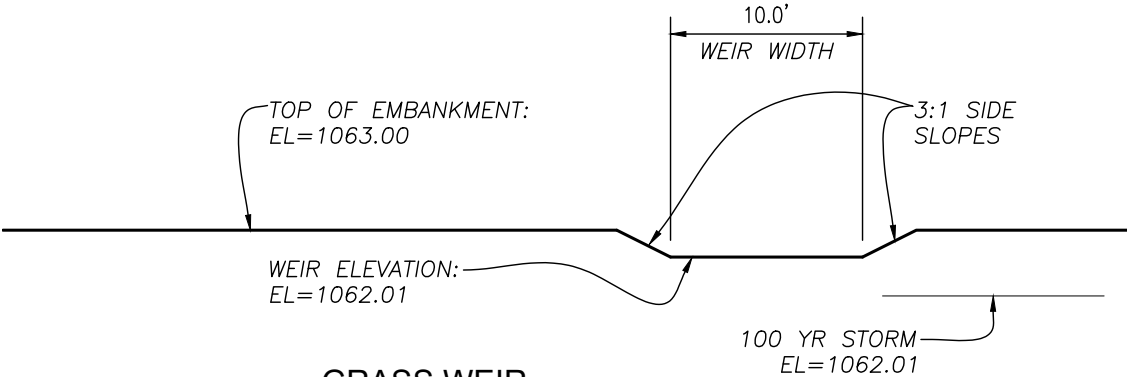
ODOT 2-2B CATCH BASIN
EJIW #5250
RIM EL=1064.50
12" NE INV=1061.95
- 7

ODOT 2-2B CATCH BASIN
EJIW #5250
RIM EL=1065.00
12" W INV=1061.47
- 8

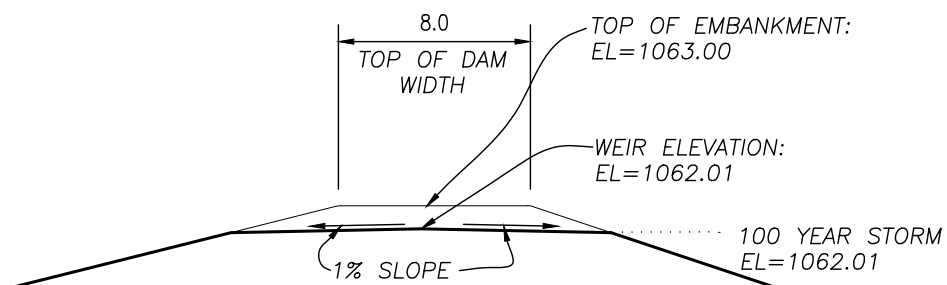
ODOT 2-2B CATCH BASIN
EJIW #5250
RIM EL=1065.00
12" W INV=1061.74



PRECAST CATCH BASIN DETAIL
NTS



GRASS WEIR
TRANSVERSE SECTION
NO SCALE



OVERFLOW GRASS WEIR
LONGITUDINAL SECTION
NO SCALE

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PROJECT:

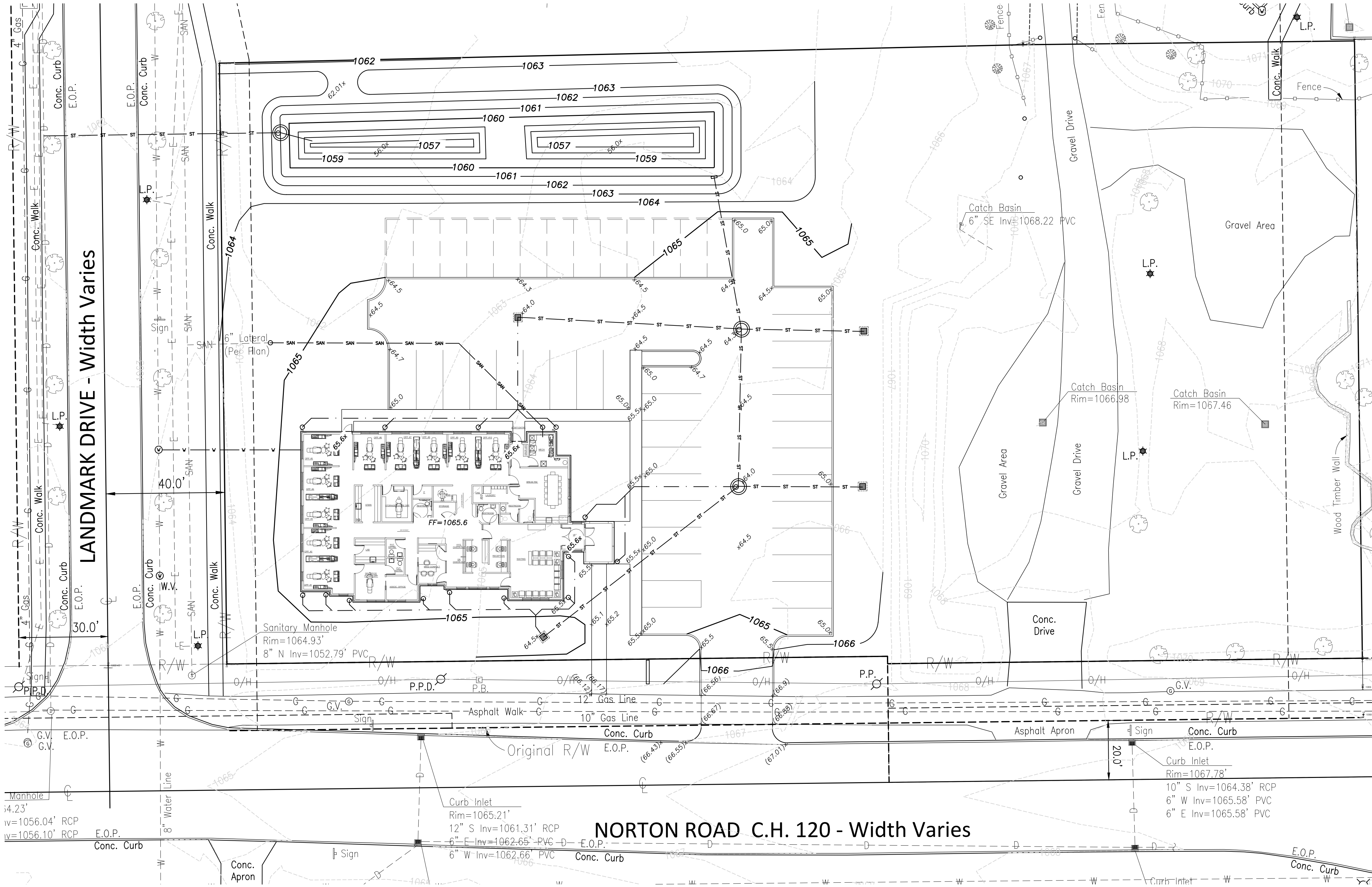
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HUDSON, OHIO

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SITE UTILITIES PLAN

SHEET NO.

C3.0



SITE GRADING PLAN

SCALE 1" = 20'





SURVEYING + CIVIL + STRUCTURAL
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SITE GRADING PLAN

SHEET NO.

C4.0



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LS ARCHITECTS
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FAIRVIEW PARK, OHIO 44126
PHONE 26-403-8854 FAX 440-76-8837



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SHEET:
R.1



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SHEET:

R.2



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NEW DENTAL OFFICE BUILDING FOR:
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R.3



REV.	DATE

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LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE 12/31/2027

NEW DENTAL OFFICE BUILDING FOR:
DR. CARUSO
1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021

DATE: 03.05.2026

ISSUE: REVIEW

SHEET:

R.5



REV.	DATE

LS ARCHITECTS
22082 LORAIN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9854 FAX 440-76-8837



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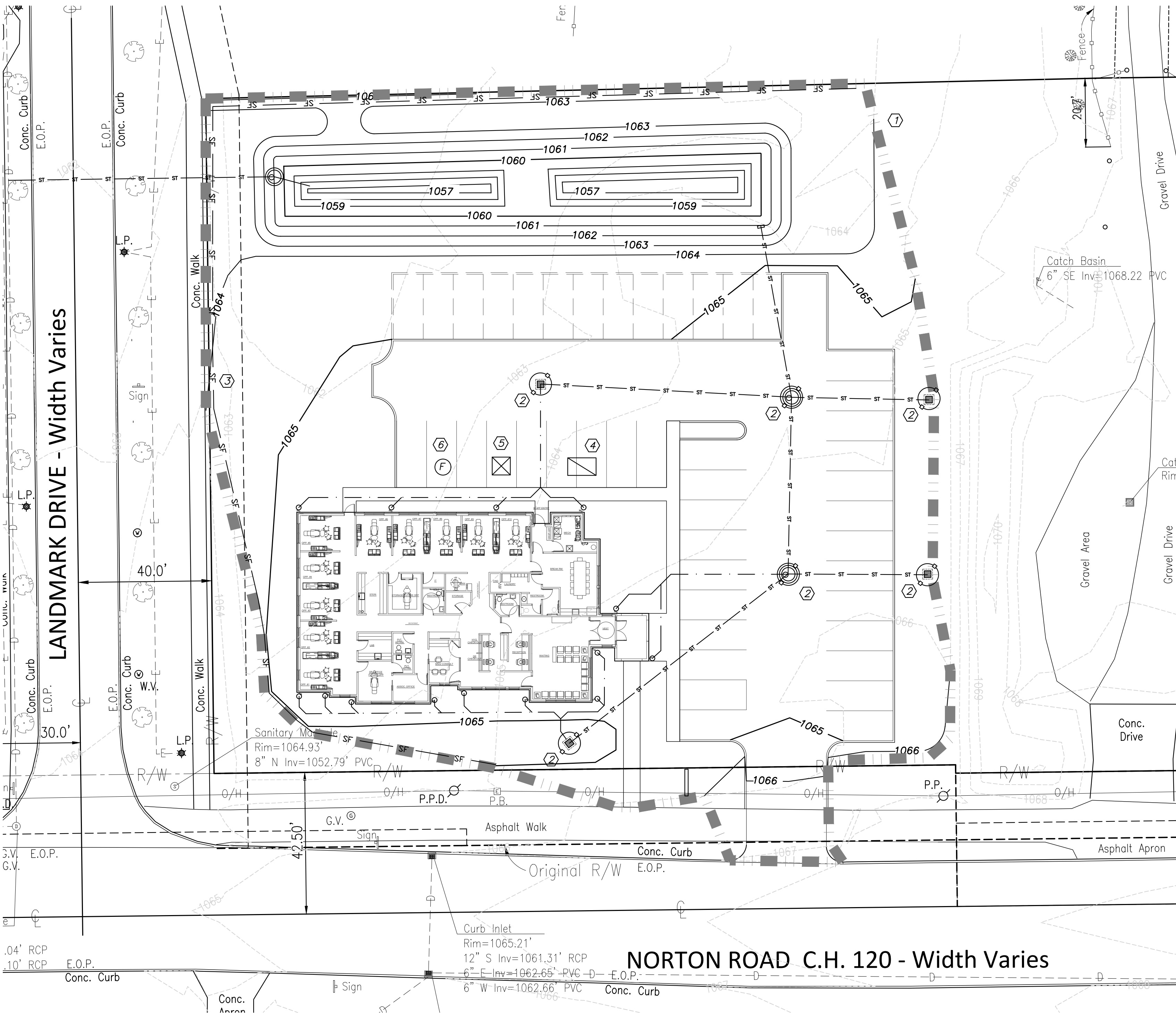
JOB NO: 26-021

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R.4



SWP3 SITE MAP

SCALE 1" = 20'



SWP3 LEGEND:

- ⑦ ■■■ CONSTRUCTION LIMITS
- ② ○ INLET PROTECTION
- ③ / SILT FENCE OR 12" FILTER SOCK
- ④ ▧ CONSTRUCTION DUMPSTER
- ⑤ ⊠ TEMPORARY CONCRETE WASHOUT FACILITY
- ⑥ (F) VEHICLE FUELING AREA

CONSTRUCTION SCHEDULE FOR EROSION CONTROL:

- INSTALL SILT FENCE/FILTER SOCK AT ALL LOCATIONS AS NOTED ON DRAWING.
- ESTABLISH INLET PROTECTION AT ALL LOCATIONS AS NOTED ON DRAWING.
- ESTABLISH ON SITE CONSTRUCTION ENTRANCE.
- PERIMETER CONTROLS AND SEDIMENT TRAP WILL BE INSTALLED/IMPLEMENTED WITHIN 7 DAYS OF GRUBBING ACTIVITIES AND PRIOR TO THE GRADING OF THE AREA THEY WILL CONTROL.
- CLEAR AND GRADE THE CONSTRUCTION AREA AS NECESSARY. ACCOMPLISH ALL ROUGH GRADING REQUIRED FOR CUTS AND FILLS AND FOR UTILITY REQUIREMENTS. PROVIDE TEMPORARY SEEDING IF REQUIRED PER SWP3 NOTES.
- ESTABLISH CONCRETE WASHOUT AREA, DUMPSTER LOCATION, AND VEHICLE FUELING AREA.
- INSTALL UNDERGROUND UTILITIES - STORM SEWERS, SANITARY, WATER, GAS, ELECTRICAL, COMMUNICATIONS, AND STORM WATER DETENTION BASIN.
- INSTALL INLET PROTECTION AROUND ALL MANHOLES AND CATCH BASINS AS THEY ARE CONSTRUCTED.
- TEMPORARY SEED ALL DISTURBED AREAS OUTSIDE OF PROPOSED PAVEMENT AS REQUIRED.
- ACCOMPLISH FINE GRADING FOR PAVEMENT, REMOVE INLET PROTECTION AND PAVE
- UPON PAVING COMPLETION REMOVE CONSTRUCTION ENTRANCE.
- FINE GRADE, LANDSCAPE AND SEED PROJECT SITE.

13. ONCE PERMANENT SEEDING IS ESTABLISHED REMOVE SILT FENCE/FILTER SOCK AND DRAWDOWN SEDIMENT TRAP BY PUMPING WATER THROUGH A FILTER BAG. REMOVE ANY BUILT UP SEDIMENT AND RESTORE BOTTOM OF BASIN TO DESIGN ELEVATIONS. AND CONVERT OUTLET STRUCTURE TO POST-CONSTRUCTION DESIGN INCLUDING WATER QUALITY ORIFICE.

14. UPON PROJECT COMPLETION REMOVE DUMPSTER, FUEL TANK, AND CONCRETE WASHOUT.

SWP3 NOTES:

ESTIMATED CONSTRUCTION START DATE: MAY 2026
ESTIMATED CONSTRUCTION COMPLETION DATE: MAY 2027

PERSON RESPONSIBLE FOR AUTHORIZING AND AMENDING THE SWP3:
GREG ALBER, P.E.
ALBER & RICE, CONSULTING ENGINEERS
31913 COOK ROAD
NORTH RIDGEVILLE, OH 44039
(216) 252-7840

SWP3 GENERAL NOTES:

- THESE SWP3 DRAWINGS SHALL BE MADE AVAILABLE ON-SITE AT ALL TIMES AND PRESENTED UPON REQUEST. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUESTED BY A SOIL AND WATER REPRESENTATIVE AT ANY TIME.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SOIL SEDIMENT POLLUTION FROM THE SITE AND THE PROPER PLACEMENT AND MAINTENANCE OF EROSION CONTROL ITEMS IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICE. FOR STORMWATER POLLUTION AND PREVENTION SPECIFICATIONS AND DETAILS, REFER TO ODNR "RAINWATER AND LAND DEVELOPMENT MANUAL", 2006 EDITION.
- INLET PROTECTION SHALL BE USED AROUND ALL NEW STORM INLETS TO CONTROL SOIL EROSION.
- EROSION CONTROL MEASURES MUST BE PROVIDED AROUND ALL DIRT STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS DIRECTED BY THE ENGINEER.
- IF UNFORESEEN EROSION IS ENCOUNTERED DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES SHALL BE PROVIDED, AS DIRECTED BY THE ENGINEER, OR SOIL AND WATER REPRESENTATIVE, AT THE CONTRACTOR'S EXPENSE.
- INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROLS:
ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES PER 24 HOUR PERIOD.
IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE, WITH THE EXCEPTION OF A SEDIMENT SETTLING POND, IT MUST BE REPAIRED OR MAINTAINED WITHIN 3 DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED WITHIN 10 DAYS OF THE INSPECTION.
IF THE SITE WILL REMAIN DORMANT FOR AN EXTENDED PERIOD, IT IS STABILIZED, AND LESS FREQUENT INSPECTIONS ARE DESIRED, A WAIVER REQUEST SHALL BE SUBMITTED TO DEPA FOR A REDUCTION TO MONTHLY INSPECTIONS.
ALL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED INSPECTION PERSONNEL.
AN INSPECTION CHECKLIST SHALL BE COMPLETED AND SIGNED BY THE INSPECTOR AFTER EVERY INSPECTION.
INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS AFTER THE TERMINATION OF CONSTRUCTION ACTIVITIES.
- ALL UTILITY WORK SHALL COMPLY WITH STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THIS STORM WATER POLLUTION PREVENTION PLAN.
- TEMPORARY STABILIZATION:
DISTURBED AREAS WHICH ARE MORE THAN 50 FT FROM A STREAM, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF 14 DAYS OR GREATER, SHALL BE STABILIZED WITH SEED AND MULCH OR OTHER APPROPRIATE MEANS WITHIN SEVEN DAYS OF THE LAST DISTURBANCE. TEMPORARY STABILIZATION IS REQUIRED WITHIN 2 DAYS FOR AREAS WITHIN 50 FT OF A STREAM OR WETLAND. TEMPORARY SEEDING MUST BE COMPLETED BY NOVEMBER 1st IF DISTURBED AREAS ARE TO BE IDLE OVER THE WINTER.
- PERMANENT STABILIZATION:
ANY AREAS AT FINAL GRADE, OR THAT WILL REMAIN DORMANT FOR ONE YEAR OR MORE, SHALL REQUIRE PERMANENT SEEDING WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE. DISTURBED AREAS WITHIN 50 FT OF A STREAM MUST HAVE PERMANENT COVER APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE. 80% VEGETATIVE DENSITY IS REQUIRED ON ALL DISTURBED AREAS FOR STABILIZATION.
- ALL SOLID, SANITARY AND TOXIC WASTES MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- ANY SEDIMENT TRACKED OFFSITE SHALL BE SCRAPPED AND/OR SWEEPED CLEAN.
- THERE SHALL BE NO SEDIMENT-LADEN DISCHARGES TO SURFACE WATERS OF THE STATE RESULTING FROM DEWATERING ACTIVITIES. IF TRENCH OR GROUND WATER DISCHARGE CONTAINS SEDIMENT, IT MUST PASS THROUGH THE SEDIMENT SETTLING POND OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE PRIOR TO BEING DISCHARGED FROM THE CONSTRUCTION SITE.

POST-CONSTRUCTION STORM WATER MANAGEMENT:

BEST MANAGEMENT PRACTICES (BMP's):

THE FOLLOWING BMP'S WILL BE USED TO IMPROVE POST-CONSTRUCTION STORM WATER QUALITY:

- BMP: CAST IRON STORM WATER GRATES WILL HAVE MESSAGES SUCH AS "DUMP NO WASTE, DRAINS TO WATERWAY"
RATIONALE: TO PROMOTE POLLUTION PREVENTION AND CONSERVATION AWARENESS.
- BMP: CATCH BASIN SUMPS WILL BE PROVIDED FOR STRUCTURES AS NOTED ON THE SCHEDULE.

SWP3 SITE DATA

SITE DESCRIPTION:
THE PROJECT CONSISTS OF NEW PARKING LOT ADDITION INCLUDING UTILITIES, AND STORM WATER MANAGEMENT FACILITIES.

PRIOR LAND USE:
COMMERCIAL

SITE AREA:
SITE AREA = 1.80 ACRES
TOTAL AREA DISTURBED BY CONSTRUCTION = 0.98 ACRES

IMPERVIOUS AREA:
PRE-CONSTRUCTION PERVIOUS 1.425 AC = 21%
IMPERVIOUS 0.375 AC = 79%
POST-CONSTRUCTION PERVIOUS 1.065 AC = 59%
IMPERVIOUS 0.735 AC = 41%

RUNOFF COEFFICIENTS:
PRE-CONSTRUCTION: C=49
POST-CONSTRUCTION: C=61

SITE SOILS:
ELLSWORTH-URBAN LAND COMPLEX (EuB), USE SOIL GROUP D FOR HYDROLOGIC CALCULATIONS.

DESCRIPTION OF EXISTING WETLANDS/AQUATIC ENVIRONMENTS:
NO EXISTING WETLAND/AQUATIC ENVIRONMENT.

RUNOFF DESCRIPTION:
PRE-CONSTRUCTION: SITE RUNOFF SHEET FLOWS FROM NORTHEAST TO THE SOUTHWEST TO AN EXISTING DITCH IN THE SOUTHWEST CORNER OF THE SITE.

POST CONSTRUCTION: CATCH BASINS WILL BE ADDED TO THE SYSTEM TO CATCH RUNOFF FROM THE PROPOSED PARKING. UNDERGROUND DETENTION WILL BE PROVIDED TO REDUCE FLOW FROM NEW PAVED AREAS IN ACCORDANCE WITH NORTHFIELD CENTER TOWNSHIP.

FIRST NAMED RECEIVING STREAM: TRIBUTARY OF POWERS BROOK

OWNER:
DARROW FAMILY DENTAL CENTRE
4465 DARROW ROAD SUITE #16
STOW, OH 44224
(330) 688-3115

Specifications for

Additional Construction Site Pollution Controls

- Construction personnel, including subcontractors who may use or handle hazardous or toxic materials, shall be made aware of the following general guidelines regarding disposal and handling of hazardous and construction wastes:
 - Prevent spills
 - Use products up
 - Follow label directions for disposal
 - Remove lids from empty bottles and cans when disposing in trash
 - Recycle wastes whenever possible
 - Don't pour into waterways, storm drains or onto the ground
 - Don't pour down the sink, floor drain or septic tanks
 - Don't bury chemicals or containers
 - Don't burn chemicals or containers
 - Don't mix chemicals together
- Containers shall be provided for the proper collection of all waste material including construction debris, trash, petroleum products and any hazardous materials used on-site. Containers shall be covered and not leaking. All waste material shall be disposed of at facilities approved for that material. Construction Demolition and Debris (CD&D) waste must be disposed of at an Ohio EPA approved CD&D landfill.
- No construction related waste materials are to be buried on-site. By exception, clean fill (bricks, hardened concrete, soil) may be utilized in a way which does not encroach upon natural wetlands, streams or floodplains or result in the contamination of waters of the state.
- Handling Construction Chemicals. Mixing, pumping, transferring or other handling of construction chemicals such as fertilizer, lime, asphalt, concrete drying compounds, and all other potentially hazardous materials shall be performed in an area away from any watercourse, ditch or storm drain.
- Equipment Fueling and Maintenance, oil changing, etc., shall be performed away from watercourses, ditches or storm drains, in an area designated for that purpose. The designated area shall be equipped for recycling oil and catching spills. Secondary containment must be provided for all fuel oil storage tanks. These areas must be inspected every seven days and within 24 hrs. of a 0.5 inch or greater rain event to ensure there are no exposed materials which would contaminate storm water. Site operators must be aware that Spill Prevention Control and Countermeasures (SPCC) requirements may apply. An SPCC plan is required for sites with one single above ground tank of 660 gallons or more, accumulative above ground storage of 1330 gallons or more, or 42,000 gallons of underground storage. Contaminated soils must be disposed of in accordance with Item 8.
- Concrete Wash Water shall not be allowed to flow to streams, ditches, storm drains, or any other water conveyance. A sump or pit with no potential for discharge shall be constructed if needed to contain concrete wash water. Field tile or other subsurface drainage structures within 10 ft. of the sump shall be cut and plugged. For small projects, truck chutes may be rinsed away from any water conveyances.
- Spill Reporting Requirements: Spills on pavement shall be absorbed with sawdust or kitty litter and disposed of with the trash at a licensed sanitary landfill. Hazardous or industrial wastes such as most solvents, gasoline, oil-based paints, and cement curing compounds require special handling. Spills shall be reported to Ohio EPA (1-800-282-8378). Spills of 25 gallons or more of petroleum products shall be reported to Ohio EPA, the local fire department, and the Local Emergency Planning Committee within 30 min. of the discovery of the release. All spills which contact waters of the state must be reported to Ohio EPA.
- Contaminated Soils. If substances such as oil, diesel fuel, hydraulic fluid, antifreeze, etc. are spilled, leaked, or released onto the soil, the soil should be dug up and disposed of at licensed sanitary landfill or other approved petroleum contaminated soil remediation facility. (not a construction/demolition debris landfill). Note that storm water run off associated with contaminated soils are not be authorized under Ohio EPA's General Storm Water Permit associated with Construction Activities.
- Open Burning. No materials containing rubber, grease, asphalt, or petroleum products, such as tires, autoparts, plastics or plastic coated wire may be burned (OAC 3745-19). Open burning is not allowed in restricted areas, which are defined as: 1) within corporation limits; 2) within 1000 feet outside a municipal corporation having a population of 1000 to 10,000; and 3) a one mile zone outside of a corporation of 10,000 or more. Outside of restricted areas, no open burning is allowed within a 1000 feet of an inhabited building on another property. Open burning is permissible in a restricted area for: heating tur, welding, smudge pots and similar occupational needs, and heating for warmth or outdoor barbecues. Outside of restricted areas, open burning is permissible for landscape or land-clearing wastes (plant material, with prior written permission from Ohio EPA), and agricultural wastes, excluding buildings.
- Dust Control or dust suppressants shall be used to prevent nuisance conditions, in accordance with the manufacturer's specifications and in a manner, which prevent a discharge to waters of the state. Sufficient distance must be provided between applications and nearby bridges, catch basins, and other waterways. Application (excluding water) may not occur when rain is imminent as noted in the short term forecast. Used oil may not be applied for dust control.
- Other Air Permitting Requirements: Certain activities associated with construction will require air permits including but not limited to: mobile concrete batch plants, mobile asphalt plants, concrete crushers, large generators, etc. These activities will require specific Ohio EPA Air Permits for installation and operation. Operators must seek authorization from the corresponding district of Ohio EPA. For demolition of all commercial sites, a Notification for Restoration and Demolition must be submitted to Ohio EPA to determine if asbestos corrective actions are required.
- Process Waste Water/Leachate Management. Ohio EPA's Construction General Permit only allows the discharge of storm water and does not include other waste streams/discharges such as vehicle and/or equipment washing, on-site septic leachate concrete wash outs, which are considered process wastewaters. All process wastewaters must be collected and properly disposed at an approved disposal facility. In the event, leachate or septage is discharged; it must be isolated for collection and proper disposal and corrective actions taken to eliminate the source of waste water.
- A Permit To Install (PTI) is required prior to the construction of all centralized sanitary systems, including sewer extensions, and sewerage systems (except those serving one, two, and three family dwellings) and potable water lines. Plans must be submitted and approved by Ohio EPA. Issuance of an Ohio EPA Construction General Storm Water Permit does not authorize the installation of any sewerage system where Ohio EPA has not approved a PTI.



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PROJECT:

DR. CARUSO
NEW OFFICE BUILDING
1465 NORTON AVE.
HUDSON, OHIO

ISSUE: DATE:

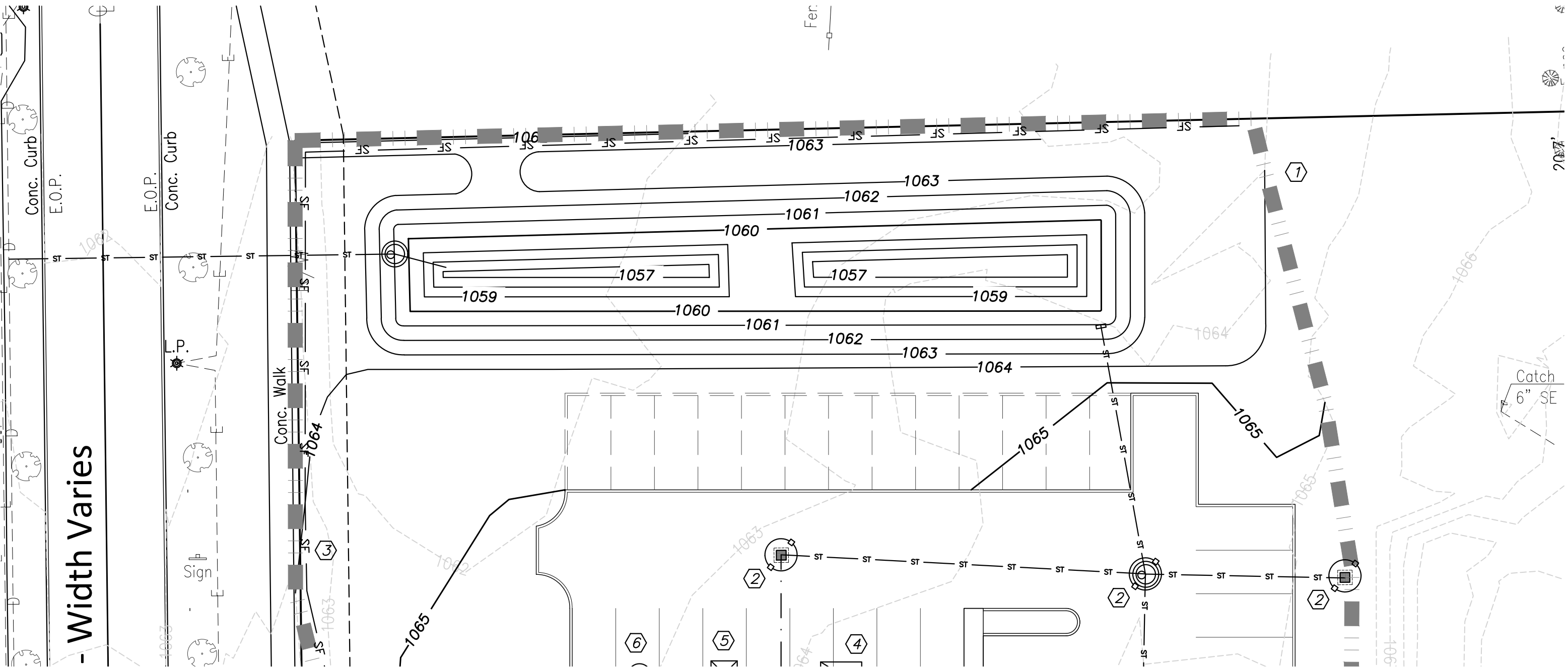
SUBMITTAL 06-11-26

A&R PROJECT NO. 2509-31

SITE STORMWATER POLLUTION PREVENTION PLAN

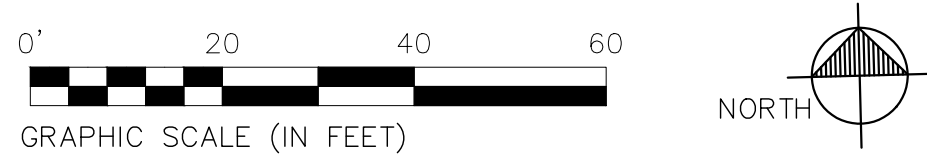
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SEDIMENT BASIN PLAN

SCALE 1" = 20'



SEDIMENT BASIN SCHEDULE

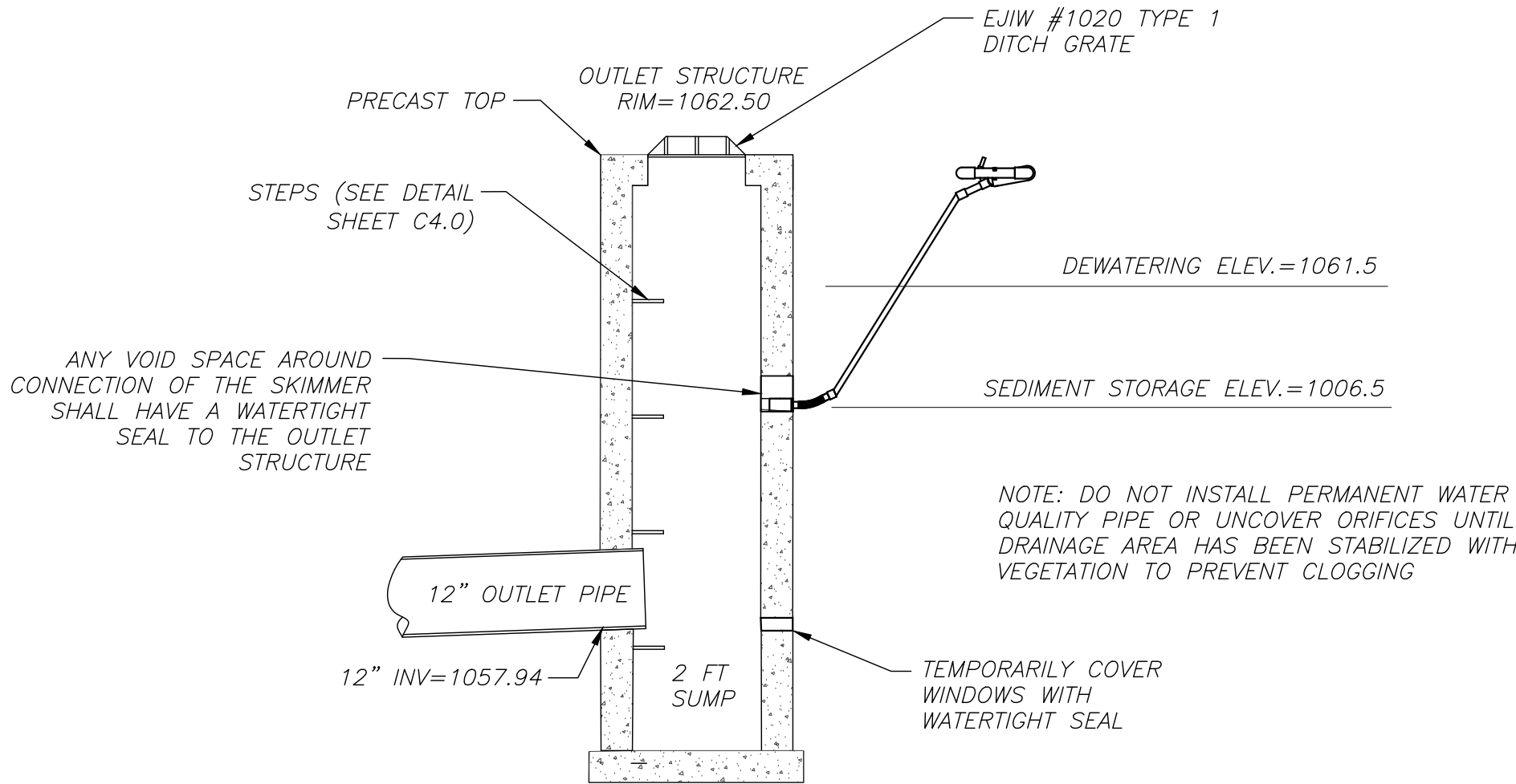
STORAGE TABLE - SEDIMENT BASIN		
ELEVATION (FT)	CONTOUR AREA (SF)	TOTAL STORAGE (CF)
1060.0	2423	0
1060.5	2914	1334
1061.0	3404	2914
1061.5	3930	4747
1062.0	4456	6844
1062.5	5011	9210
1063.0	5565	11854

SEDIMENT STORAGE
DEWATERING

DRAINAGE AREA = 0.98 Ac
DISTURBED AREA = 0.952 Ac

DEWATERING ZONE VOLUME REQUIRED:
=1800 CF X 0.98 = 1,764 CF
SEDIMENT STORAGE VOLUME REQUIRED:
=1000 CF X 0.952 = 952 CF
TOTAL STORAGE VOLUME REQUIRED:
=1,764 + 952 = 2,716 CF

NOTES:
-CONTRACTOR TO CLEAN OUT OF SEDIMENT STORAGE ZONE REQUIRED WHEN SEDIMENT OCCUPIES 50% OF THE SEDIMENT STORAGE VOLUME AND PRIOR TO CONVERSION TO A POST-CONSTRUCTION BMP
-CONTRACTOR TO CLEAN INLETS UPON CONCLUSION OF WORK



SEDIMENT BASIN OUTLET STRUCTURE DETAIL

NOT TO SCALE

NOTE: DO NOT INSTALL PERMANENT TRICKLE DOWN PIPE UNTIL DRAINAGE AREA HAS BEEN STABILIZED WITH VEGETATION TO PREVENT CLOGGING.

Faircloth skimmer discharge:

The typical components of the Faircloth skimmer are shown in Figure 6.1.8. This skimmer consists of three primary parts: the arm assembly, the water entry unit and the "C" enclosure keep debris from water entrance. The "C" enclosure floats on the water surface and suspends the water entry unit just below the water surface. The arm assembly transports the water from the water entry unit to the basin's principal spillway barrel. Water discharge rate is to be controlled by an orifice located at the connection between the water entry unit and the arm assembly.

Instructions for design, installation and maintenance of Faircloth skimmers is available from the J.W. Faircloth & Sons Company at www.fairclothskimmer.com.

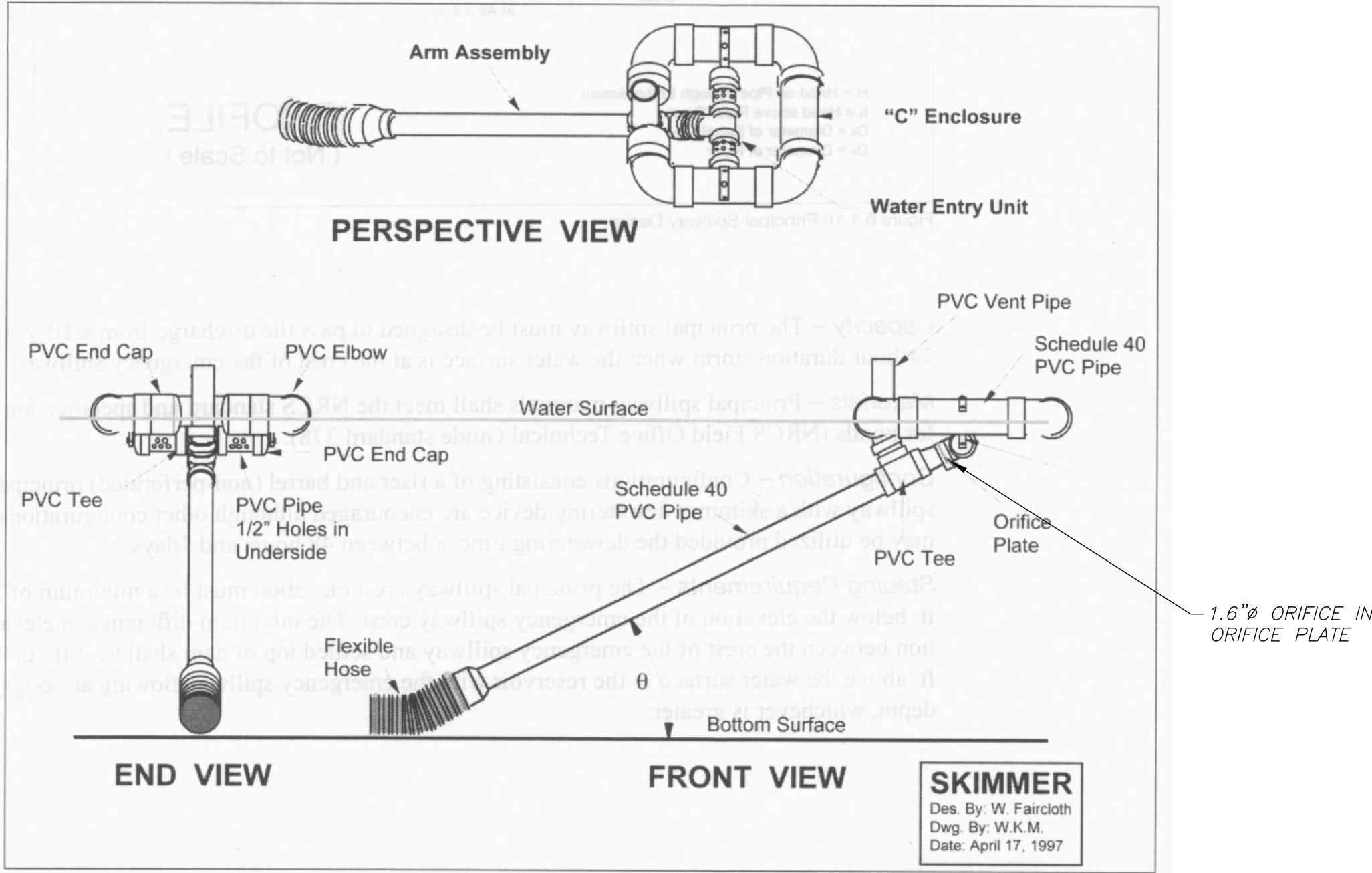


Figure 6.1.8 Faircloth Skimmer Schematic Developed by Warren Faircloth, North Carolina (Penn State Ag and Biol. Eng Fact Sheet F-252)



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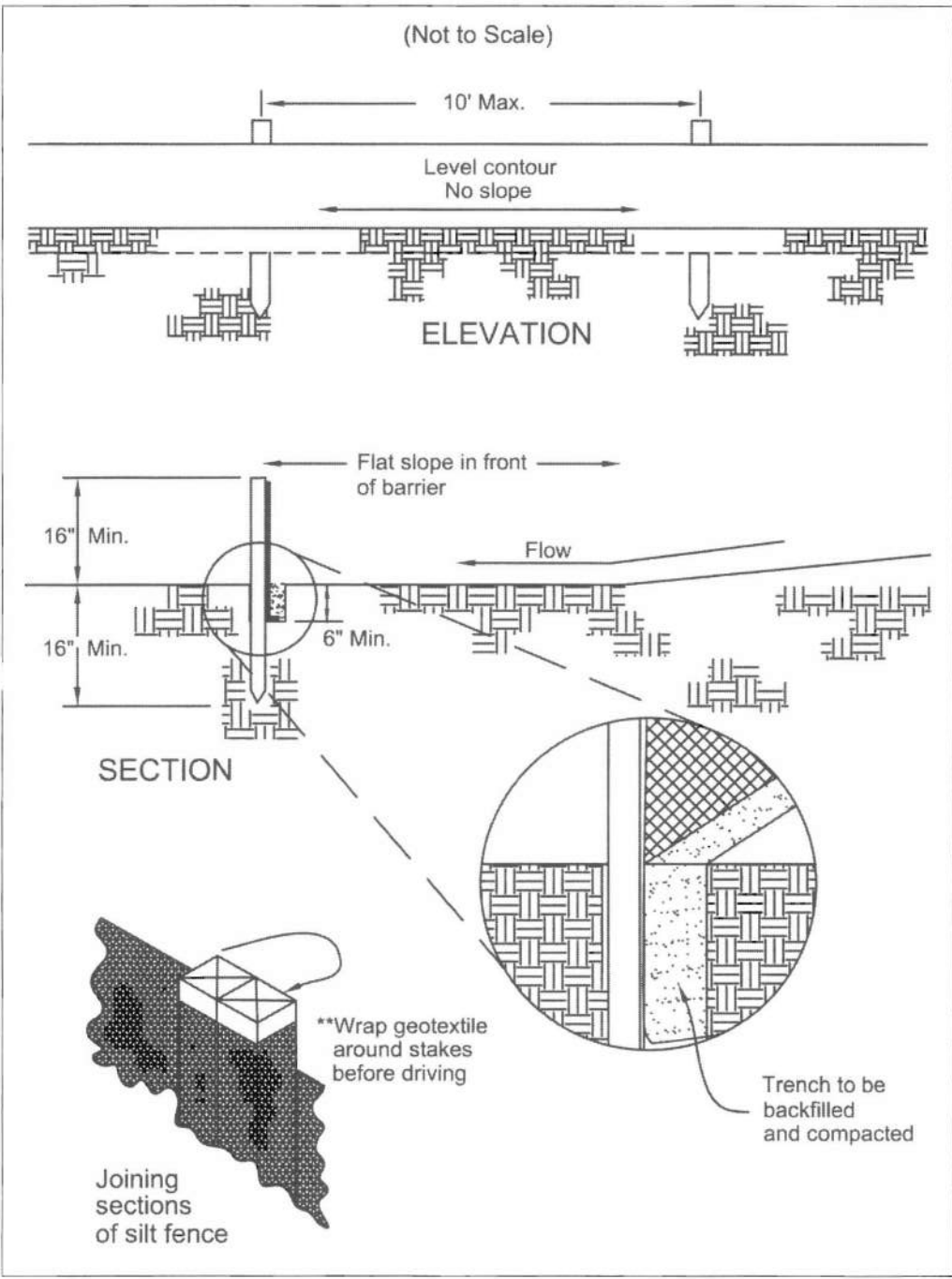
ISSUE:	DATE:
SUBMITTAL	06-11-26
A&R PROJECT NO.	2509-31

SWPPP
DETAILS

SHEET NO.

C5.1

Specifications
for
Silt Fence



Specifications
for
Silt Fence

- Silt fence shall be constructed before upslope land disturbance begins.
- All silt fence shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions that may carry small concentrated flows to the silt fence are dissipated along its length.
- Ends of the silt fences shall be brought upslope slightly so that water ponded by the silt fence will be prevented from flowing around the ends.
- Silt fence shall be placed on the flattest area available.
- Where possible, vegetation shall be preserved for 5 feet (or as much as possible) upslope from the silt fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
- The height of the silt fence shall be a minimum of 16 inches above the original ground surface.
- The silt fence shall be placed in an excavated or sliced trench cut a minimum of 6 inches deep. The trench shall be made with a trencher, cable laying machine, slicing machine, or other suitable device that will ensure an adequately uniform trench depth.
- The silt fence shall be placed with the stakes on the downslope side of the geotextile. A minimum of 8 inches of geotextile must be below the ground surface. Excess material shall lay on the bottom of the 6-inch deep trench. The trench shall be backfilled and compacted on both sides of the fabric.
- Seams between sections of silt fence shall be spliced together only at a support post with a minimum 6-in. overlap prior to driving into the ground, (see details).
- Maintenance—Silt fence shall allow runoff to pass only as diffuse flow through the geotextile. If runoff over-tops the silt fence, flows under the fabric or around the fence ends, or in any other way allows a concentrated flow discharge, one of the following shall be performed, as appropriate: 1) the layout of the silt fence shall be changed, 2) accumulated sediment shall be removed, or 3) other practices shall be installed.

Sediment deposits shall be routinely removed when the deposit reaches approximately one-half of the height of the silt fence.

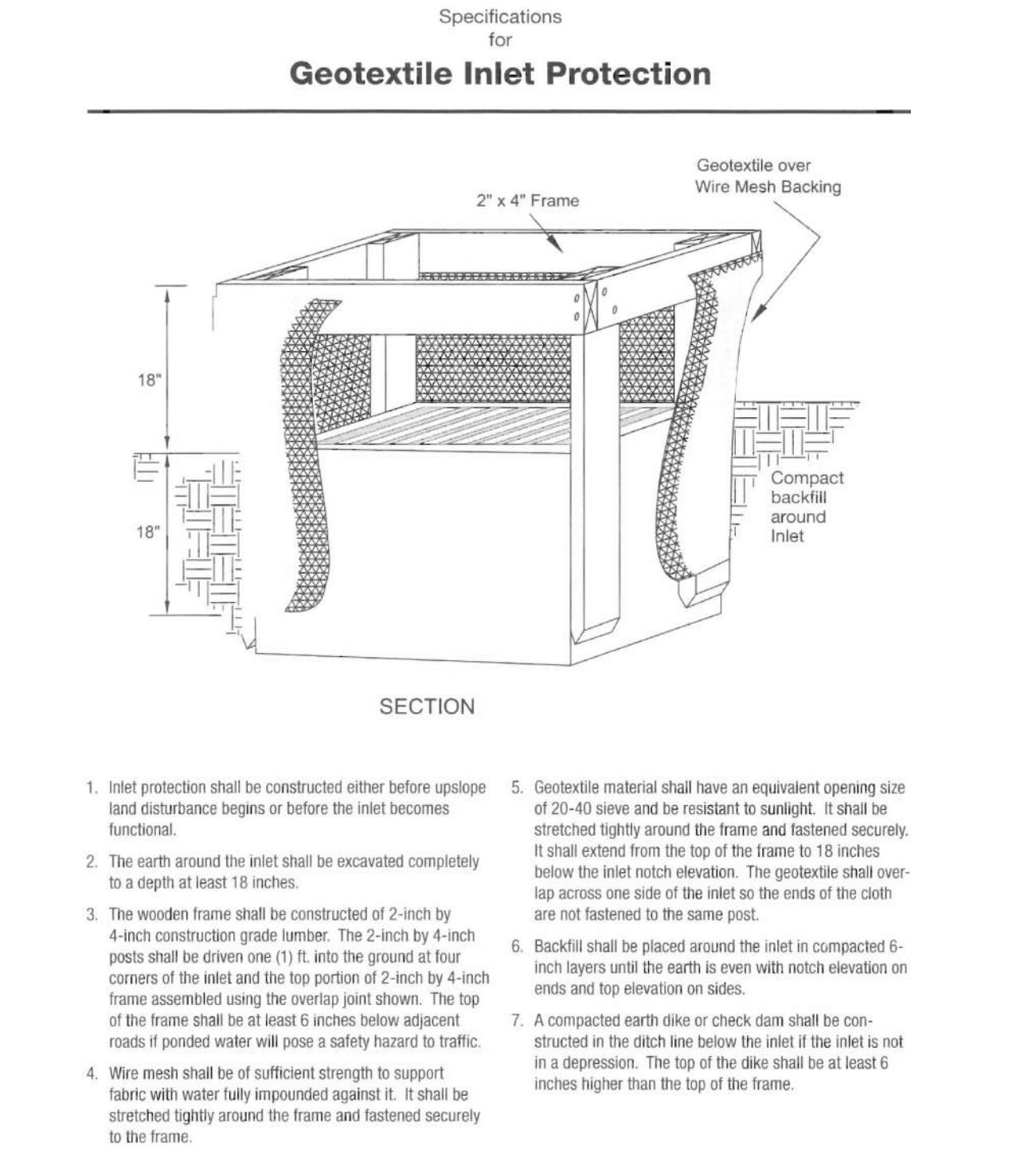
Silt fences shall be inspected after each rainfall and at least daily during a prolonged rainfall. The location of existing silt fence shall be reviewed daily to ensure its proper location and effectiveness. If damaged, the silt fence shall be repaired immediately.

Criteria for silt fence materials

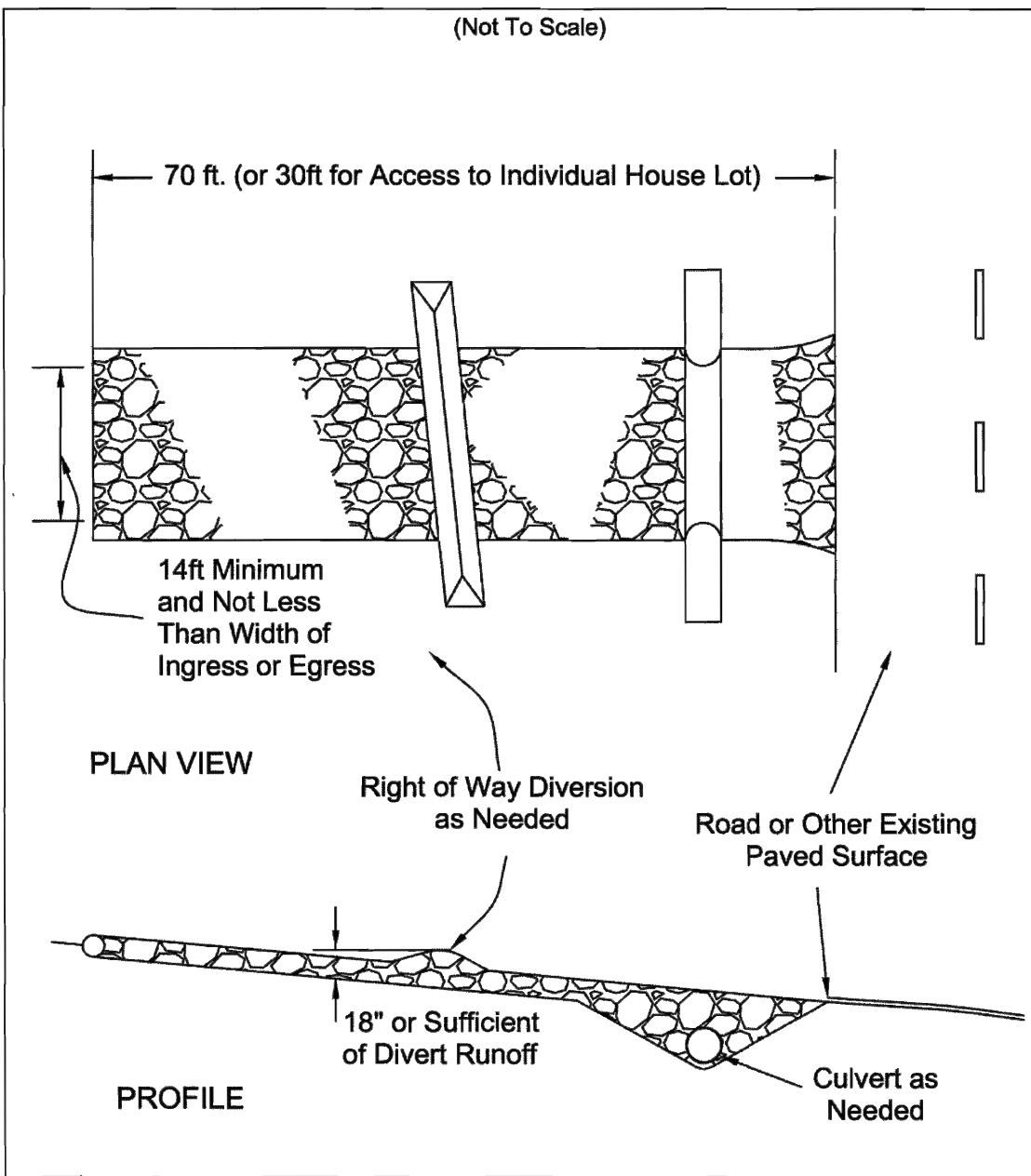
- Fence post—The length shall be a minimum of 32 inches. Wood posts will be 2-by-2-in. nominal dimensioned hardwood of sound quality. They shall be free of knots, splits and other visible imperfections, that will weaken the posts. The maximum spacing between posts shall be 10 ft. Posts shall be driven a minimum 16 inches into the ground, where possible. If not possible, the posts shall be adequately secured to prevent overturning of the fence due to sediment/water loading.
- Silt fence fabric—See chart below.

Table 6.3.2 Minimum criteria for Silt Fence Fabric (ODOT 2002)

FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs. (535 N)	ASTM D 4632
Maximum Elongation at 60 lbs	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (220 N)	ASTM D 4833
Minimum Tear Strength	40 lbs (180 N)	ASTM D 4533
Apparent Opening Size	≤ 0.84 mm	ASTM D 4751
Minimum Permittivity	1X10 ⁻² sec.-1	ASTM D 4491
UV Exposure Strength Retention	70%	ASTM G 4355



Specifications
for
Construction Entrance



Specifications
for
Construction Entrance

- Stone Size—ODOT # 2 (1.5-2.5 inch) stone shall be used, or recycled concrete equivalent.
- Length—The construction entrance shall be as long as required to stabilize high traffic areas but not less than 70 ft. (exception: apply 30 ft. minimum to single residence lots).
- Thickness -The stone layer shall be at least 6 inches thick for light duty entrances or at least 10 inches for heavy duty use.
- Width -The entrance shall be at least 14 feet wide, but not less than the full width at points where ingress or egress occurs.
- Geotextile -A geotextile shall be laid over the entire area prior to placing stone. It shall be composed of strong rot-proof polymeric fibers and meet the following specifications:
- Timing—The construction entrance shall be installed as soon as is practicable before major grading activities.
- Culvert -A pipe or culvert shall be constructed under the entrance if needed to prevent surface water from flowing across the entrance or to prevent runoff from being directed out onto paved surfaces.
- Water Bar -A water bar shall be constructed as part of the construction entrance if needed to prevent surface water from flowing across the entrance or to prevent runoff from being directed out onto paved surfaces.
- Maintenance -Top dressing of additional stone shall be applied as conditions demand. Mud spilled, dropped, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping.
- Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction-site shall be restricted from muddy areas.
- Removal—the entrance shall remain in place until the disturbed area is stabilized or replaced with a permanent roadway or entrance.

Figure 7.4.1

Geotextile Specification for Construction Entrance	
Minimum Tensile Strength	200 lbs.
Minimum Puncture Strength	80 psi.
Minimum Tear Strength	50 lbs.
Minimum Burst Strength	320 psi.
Minimum Elongation	20%
Equivalent Opening Size	EOS < 0.6 mm.
Permittivity	1×10 ⁻³ cm/sec.

Specifications
for
Permanent Seeding

Site Preparation

- Subsoiler, plow, or other implement shall be used to reduce soil compaction and allow maximum infiltration. (Maximizing infiltration will help control both runoff rate and water quality.) Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture. Subsoiling shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation.
- The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding.
- Topsoil shall be applied where needed to establish vegetation.

Seedbed Preparation

- Lime—Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 pounds per 1,000-sq. ft. or 2 tons per acre.
- Fertilizer—Fertilizer shall be applied as recommended by a soil test. In place of a soil test, fertilizer shall be applied at a rate of 25 pounds per 1,000-sq. ft. or 1000 pounds per acre of a 10-10-10 or 12-12-12 analyses.
- The time and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 inches. On sloping land, the soil shall be worked on the contour.

Seeding Dates and Soil Conditions

Seeding should be done March 1 to May 31 or August 1 to September 30. If seeding occurs outside of the above-specified dates, additional mulch and irrigation may be required to ensure a minimum of 80% germination. Tillage for seedbed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

Dormant Seedings

- Seedings should not be made from October 1 through November 20. During this period, the seeds are likely to germinate but probably will not be able to survive the winter.
- The following methods may be used for "Dormant Seeding":
 - Saw and Mulch Anchoring Methods

Straw mulch shall be anchored immediately to minimize loss by wind or water.

- Mechanical**—A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 inches.
- Mulch Netting**—Netting shall be used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.
- Asphalt Emulsion**—Asphalt shall be applied as recommended by the manufacture or at the rate of 160 gallons per acre.
- Synthetic Binders**—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petrosel, Terra Tack or equivalent may be used at rates specified by the manufacturer.
- Wood Cellulose Fiber**—Wood cellulose fiber shall be applied at a net dry weight of 750 pounds per acre. The wood cellulose fiber shall be mixed with water with the mixture containing a maximum of 50 pounds cellulose per 100 gallons of water.

Irrigation

Permanent seeding shall include irrigation to establish vegetation during dry weather or on adverse site conditions, which require adequate moisture for seed germination and plant growth.

Irrigation rates shall be monitored to prevent erosion and damage to seeded areas from excessive runoff.

Table 7.10.2 Permanent Seeding

Seed Mix	Seeding Rate		Notes:
	Lbs./acre	Lbs./1,000 Sq. Feet	
General Use			
Creeping Red Fescue	20-40	1/2-1	For close mowing & for waterways with <2.0 ft/sec velocity
Domestic Ryegrass	10-20	1/4-1/2	
Kentucky Bluegrass	20-40	1/2-1	
Tall Fescue	40-50	1-1 1/4	
Turf-type (dwarf) Fescue	90	2 1/4	
Steep Banks or Cut Slopes			
Tall Fescue	40-50	1-1 1/4	
Crown Vetch	10-20	1/4-1/2	Do not seed later than August
Tall Fescue	20-30	1/2-3/4	
Flat Pea	20-25	1/2-3/4	Do not seed later than August
Tall Fescue	20-30	1/2-3/4	
Road Ditches and Swales			
Tall Fescue	40-50	1-1 1/4	
Turf-type (Dwarf) Fescue	90	2 1/4	
Kentucky Bluegrass	5	0.1	
Lawns			
Kentucky Bluegrass	100-120	2	
Perennial Ryegrass		2	
Kentucky Bluegrass	100-120	2	For shaded areas
Creeping Red Fescue		1-1/2	

SWP3 AMENDMENT LOG:

AMENDMENT NO.	DESCRIPTION OF AMENDMENT	DATE	AMENDMENT PREPARED BY [NAME(S) AND TITLE]

Specifications
for
Temporary Seeding

Table 7.8.1 Temporary Seeding Species Selection

Seeding Dates	Species	Lb./1000 ft2	Lb/Acre
March 1 to August 15	Oats	3	128 (4 Bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Perennial Ryegrass	1	40
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Annual Ryegrass	1.25	55
	Perennial Ryegrass	3.25	142
	Creeping Red Fescue	0.4	17
	Kentucky Bluegrass	0.4	17
August 16th to November	Oats	3	128 (3 bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Rye	3	112 (2 bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Wheat	3	120 (2 bushel)
	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Perennial Rye	1	40
November 1 to Feb. 29	Tall Fescue	1	40
	Annual Ryegrass	1	40
	Annual Ryegrass	1.25	40
	Perennial Ryegrass	3.25	40
	Creeping Red Fescue	0.4	40
	Kentucky Bluegrass	0.4	40
	Use mulch only or dormant seeding		

Note: Other approved species may be substituted.

- Structural erosion and sediment control practices such as diversions and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction site.
- Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 21 days or greater. These idle areas shall be seeded within 7 days after grading.
- The seedbed should be pulverized and loose to ensure the success of establishing vegetation. Temporary seeding should not be postponed if ideal seedbed preparation is not possible.
- Soil Amendments—Temporary vegetation seeding rates shall establish adequate stands of vegetation, which may require the use of soil amendments. Base rates for lime and fertilizer shall be used.
- Seeding Method—Seed shall be applied uniformly with a cyclone spreader, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on-site and the seeding shall be done immediately and without interruption.

Specifications
for
Temporary Seeding

Mulching Temporary Seeding

- Applications of temporary seeding shall include mulch, which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates on favorable, very flat soil conditions may not need mulch to achieve adequate stabilization.
- Materials:
 - Straw—If straw is used, it shall be unrotted small-grain straw applied at a rate of 2 tons per acre or 90 lbs./ 1,000 sq. ft. (2-3 bales)
 - Hydroseeders—If wood cellulose fiber is used, it shall be used at 2000 lbs./ ac. or 46 lb./ 1,000-sq.-ft.
 - Other—Other acceptable mulches include mulch matings applied according to manufacturer's recommendations or wood chips applied at 6 ton/ ac.
- Straw Mulch shall be anchored immediately to minimize loss by wind or water. Anchoring methods:
 - Mechanical**—A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but left to a length of approximately 6 inches.
 - Mulch Netting**—Netting shall be used according to the manufacturers recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.
 - Synthetic Binders**—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petrosel, Terra Track or equivalent may be used at rates recommended by the manufacturer.
 - Wood-Cellulose Fiber**—Wood-cellulose fiber binder shall be applied at a net dry wt. of 750 lb./ac. The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb. / 100 gal.

SWP3 GRADING AND STABILIZATION ACTIVITIES LOG:

DATE GRADING ACTIVITY INITIATED	DESCRIPTION OF GRADING ACTIVITY	DATE WHEN STABILIZATION MEASURES ARE INITIATED	DESCRIPTION OF STABILIZATION MEASURES AND LOCATION



PROJECT:

DR. CARUSO
NEW OFFICE BUILDING
1465 NORTON AVE.
HUDSON, OHIO

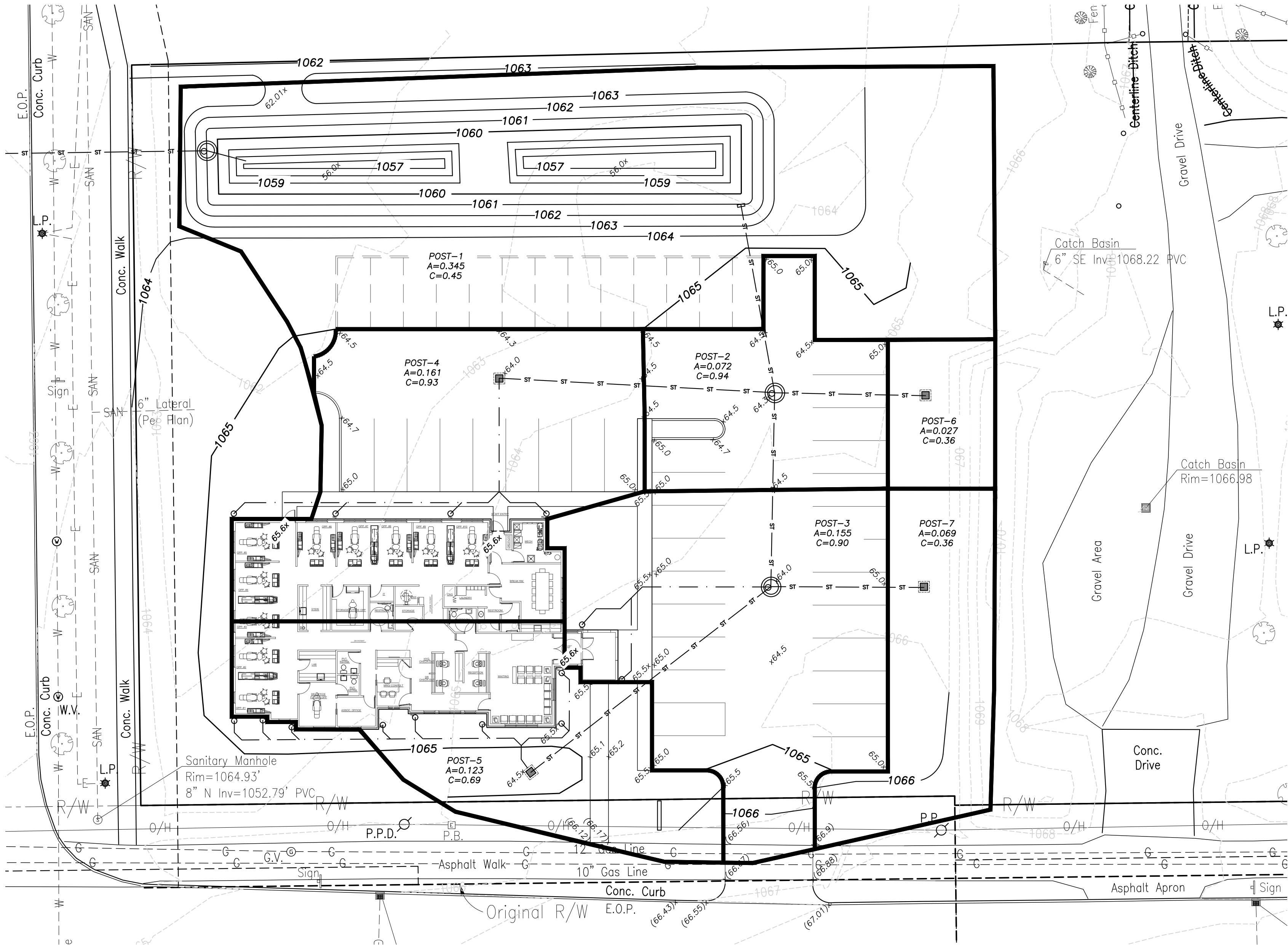
ISSUE:	DATE:
SUBMITTAL	06-11-26

A&R PROJECT NO. 2509-31

SWPPP
DETAILS

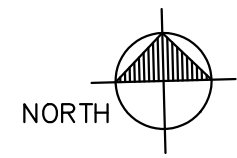
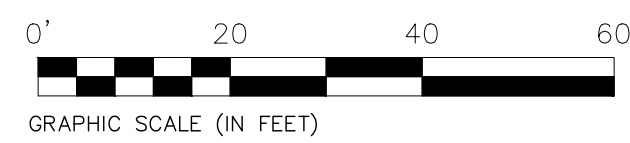
SHEET NO.

C5.2



DRAINAGE MAP

SCALE 1" = 20'





SURVEYING + CIVIL + STRUCTURAL
31913 Cook Road | North Ridgeville | Ohio | 44039



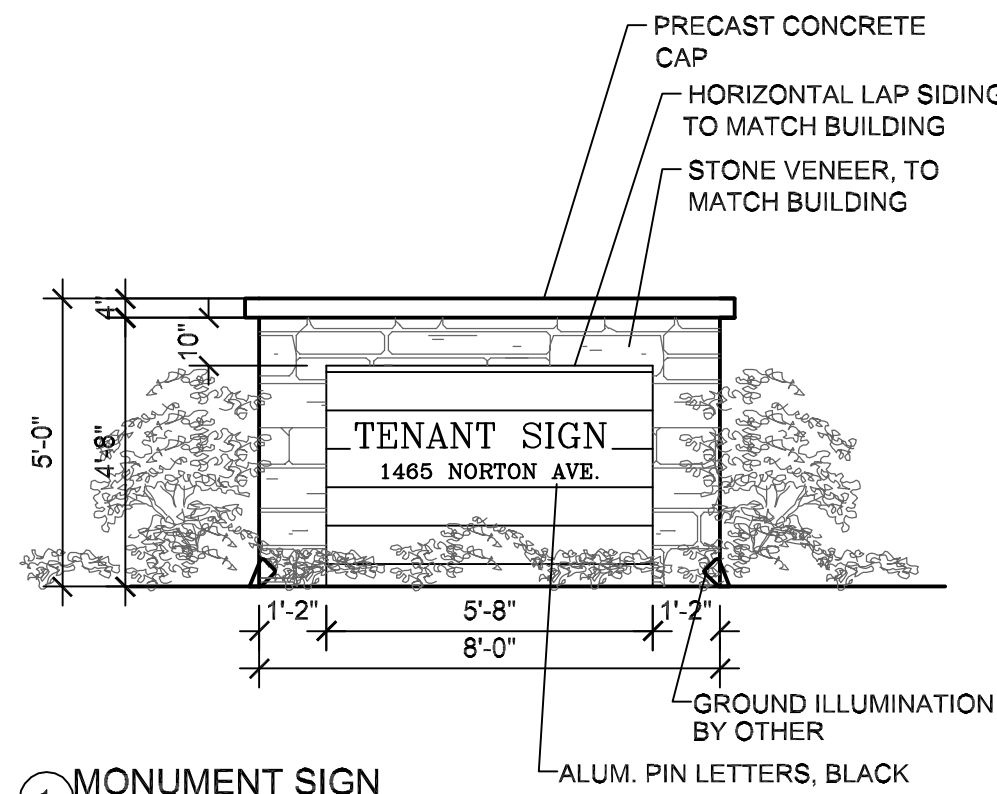
PROJECT:

DR. CARUSO
NEW OFFICE BUILDING
1465 NORTON AVE.
HUDSON, OHIO

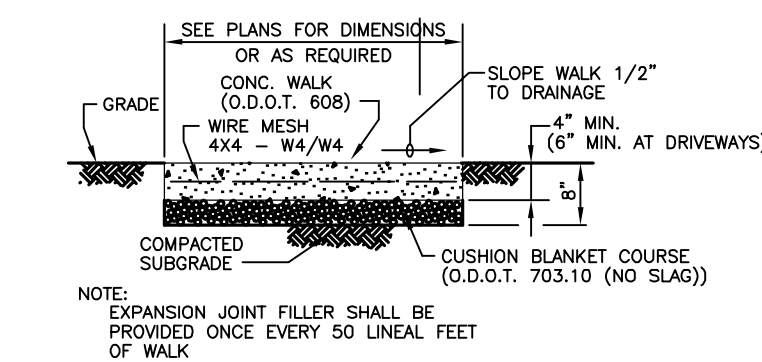
ISSUE:	DATE:
SUBMITTAL	06-11-26
A&R PROJECT NO.	2509-31

ZONING REGULATIONS

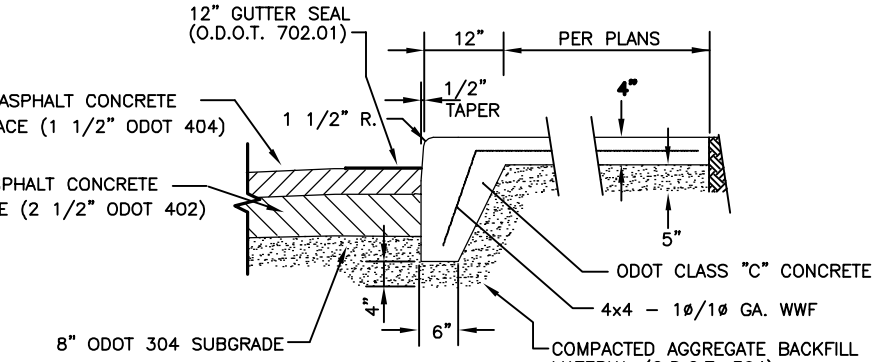
CITY OF HUDSON
EXISTING SITE ZONED: 9- DARROWVILLE ROAD COMMERCIAL CORRIDOR
SITE AREA: 2.1336 AC 92,939 SQ FT.
BUILDING AREA:
PROPOSED: 5,000 SQ FT.
PARKING AND SIDEWALK AREA: 13,806 SQ FT
20% TOTAL SITE COVERAGE
5% BUILDING COVERAGE
PERMITTED USE: PROFFESIONAL OFFICES
MIN LOT SIZE 1 ACRE
MIN LOT WIDTH: 200'
MAX FLOOR AREA: 50:1
MAX HEIGHT: 35'
BUILDING SETBACKS:
FRONT YARD SETBACK: 20'
SIDE YARD SETBACK: 10'-0"
REAR YARD SETBACK: 10'-0"
PARKING SPACES REQUIRED:
PARKING REQUIRED: 30 SPACES: 31 SPACES PROVIDED
PARKING SETBACKS:
FRONT YARD SETBACK: 20'
SIDE YARD SETBACK: 10'-0"
REAR YARD SETBACK: 50'-0"
2 WAY DRIVE: 18'-0" MIN.
PARKING STALL: 9'-0" X 23'-0" MIN.



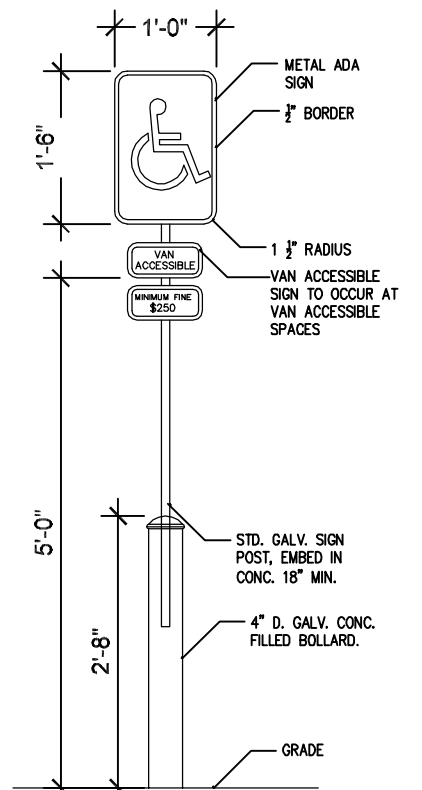
1 MONUMENT SIGN



CONCRETE WALK DETAIL



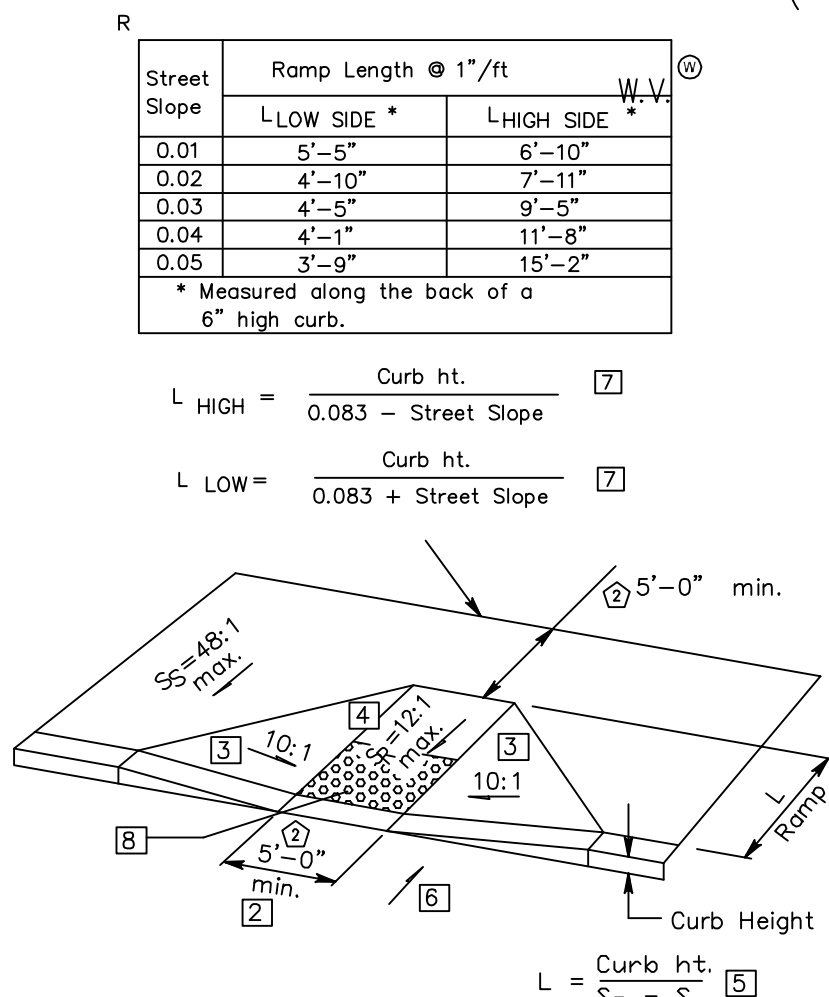
INTEGRAL CONCRETE CURB/WALK and ASPHALT PVT. DETAILS



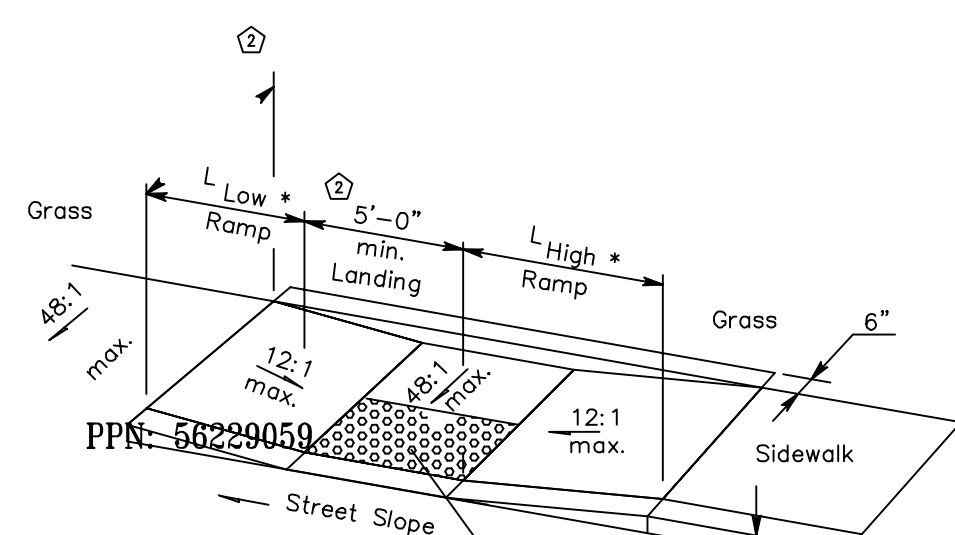
H.C. SIGN POST DETAIL

LEGEND

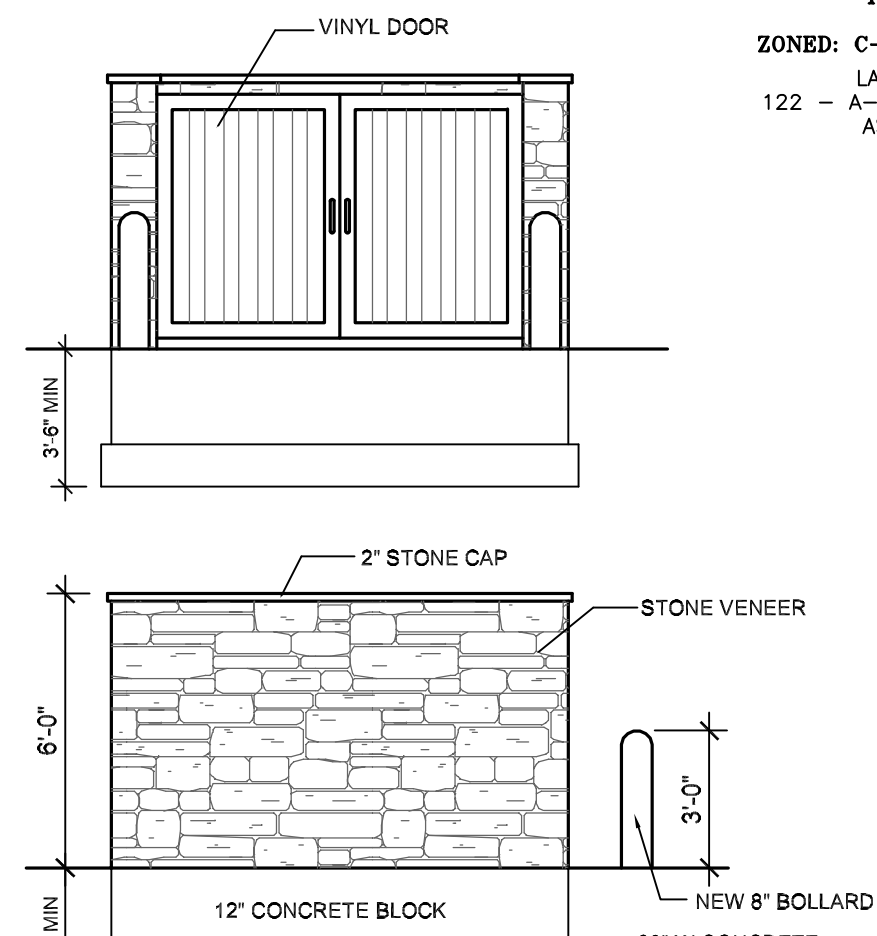
- 1 May be reduced to 3'-0" in existing sidewalks if the landing is unconstrained along the back edge.
- 2 Where landing width (D) has been reduced to 3'-0" the flared sides shall have a maximum slope of 12:1.
- 3 The slope of the ramp toward the curb is preferred to be 12:1 or flatter related to the horizontal, but the maximum slope shall be 12:1 relative to the existing or proposed walk slope.
- In existing sidewalks, where the maximum ramp slope (S) is not feasible, it may be reduced as follows:
- A) 10:1 for a max. rise of 5".
- B) 8:1 for a max. rise of 3".
- C) 6:1 over a max. run of 2'-0" for historic areas where a flatter slope is not feasible.
- 4 The minimum length of a perpendicular ramp is 6' from the back of a 6" curb and may be increased where feasible to obtain a flatter ramp slope or to better blend with the walk configuration.
- 5 Outer curb slopes at the foot of perpendicular curb ramps should not exceed 20:1 over a distance of 2'-0" from the curb.
- 6 Dimensions derived by equation are nominal. Construct ramps to meet required slopes and existing conditions.
- 7 Detectable Warnings (truncated domes) are to be installed in the location shown. Dimensions for location of the domes



PERPENDICULAR CURB RAMP DETAIL



PARALLEL CURB RAMP DETAIL (DOUBLE)



2 BRICK MASONRY TRASH ENCLOSURE DETAILS

NORTON ROAD C.H. 120 - Width Varies

SITE PLAN

SCALE: 1" = 20'-0"

CITY OF STON
PPN: 5613404
1.285 ac.
ZONED: C-3 COMMUNITY RETAIL
LAND USE CODE:
122 - A-TIMBER LAND ON CAUV
AS COMMERCIAL

PPN: 30-00491
1.341 ac.
ZONED: 9-DARROWVILLE
ROAD COMMERCIAL CORRIDOR
LAND USE CODE:
R-RESIDENTIAL

PPN: 30-10361
1.691 ac.
ZONED: 9-DARROWVILLE
ROAD COMMERCIAL CORRIDOR
LAND USE CODE:
499-C-OTHER COMMERCIAL
STRUCTURES

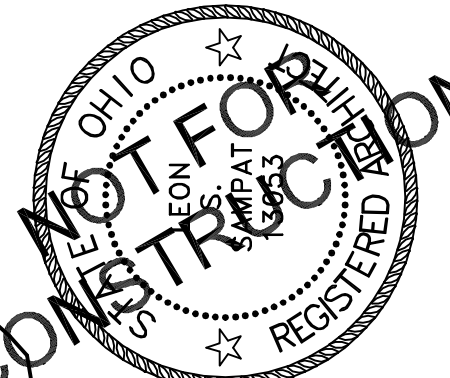
PPN: 30-09888
1.50 ac.
ZONED: 9-DARROWVILLE
ROAD COMMERCIAL CORRIDOR
LAND USE CODE:
499-C-OTHER COMMERCIAL
STRUCTURES

PPN: 30-09885
1.762 ac.
ZONED: 9-DARROWVILLE
ROAD COMMERCIAL CORRIDOR
LAND USE CODE:
400-C-COMMERCIAL VACANT
LAND

PPN: 30-10362
1.314 ac.
ZONED: 9-DARROWVILLE
ROAD COMMERCIAL CORRIDOR
LAND USE CODE:
499-C-OTHER COMMERCIAL
STRUCTURES

REV.	DATE

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OH 44126
PHONE 26-403-9654 FAX 440-76-8837



NEW DENTAL OFFICE BUILDING FOR:

DR. CARUSO
1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021

DATE: 03.05.2026

ISSUE: REVIEW

SHEET:

SD1.1



DR. CARUSO
NEW OFFICE BUILDING
1465 NORTON AVE.
HUDSON, OHIO

ISSUE:	DATE:
SUBMITTAL	06-11-26
A&R PROJECT NO.	2509-31

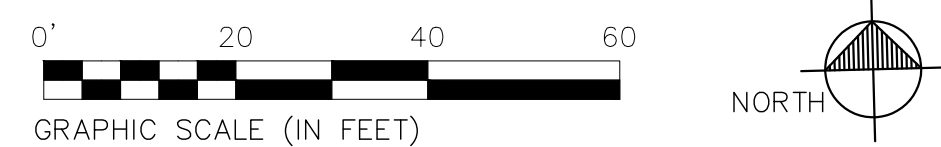
TRUCK TURNING

SHEET NO.

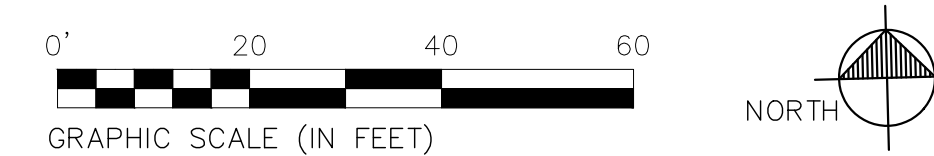
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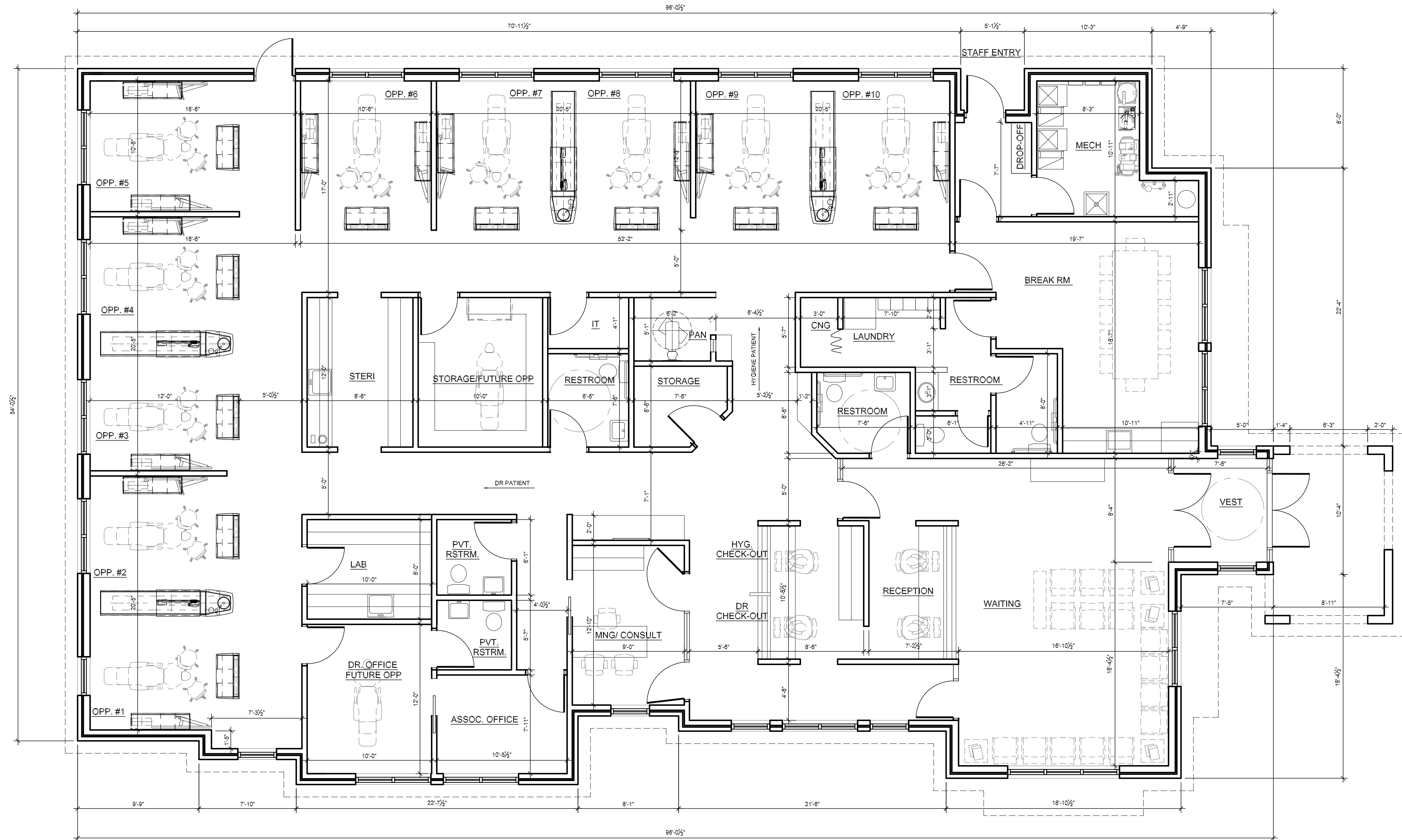


SCALE 1" = 20'



SCALE 1" = 20'



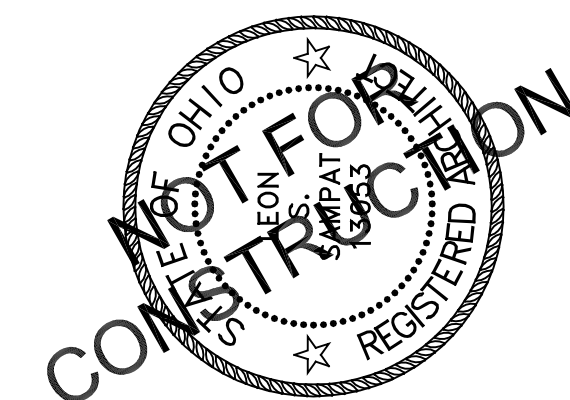


1 PROPOSED FLOOR PLAN
SCALE: 1/4" = 1'-0"
AREA: 5,000 SQ. FT.



REV.	DATE

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OH 44126
PHONE 26-403-9854 FAX 440-76-8897



NEW DENTAL OFFICE BUILDING FOR:
DR. CARUSO
1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021
DATE: 03.05.2026
ISSUE: REVIEW

SHEET:
A1.1

LANDSCAPE REGULATIONS

CITY OF HUDSON
EXISTING SITE ZONED: 9- DARROWVILLE ROAD COMMERCIAL CORIDOR
SITE AREA: 2.1336 AC
BUILDING AREA:
PROPOSED: 5,000 SQ. FT.
MAX. IMPERVIOUS AREA: 60%
PROPOSED IMPERVIOUS AREA: 14,385 SQ. FT. (15.4%)

PERIMETER LANDSCAPING FOR PARKING LOTS

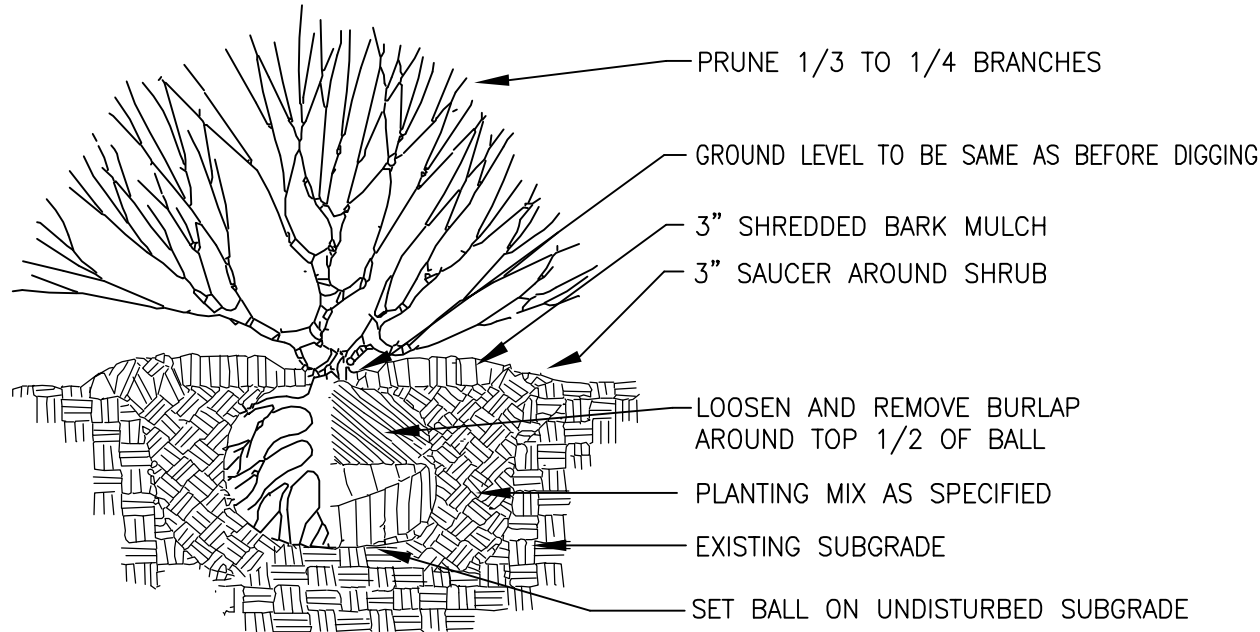
MIN. WIDTH: 5'-0"
PERIMETER LANDSCAPING SHALL CONTAIN SUFFICIENT PLANT MATERIAL THAT WILL ACHIEVE AN EFFECTIVE, OPAQUE SCREEN OF A HEIGHT OF AT LEAST THREE FEET WITHIN TWO YEARS OF INSTALLATION. THE PERIMETER BUFFER ZONE SHALL ALSO CONTAIN DECIDUOUS TREES AND ALLOW ADEQUATE SNOW STORAGE AREA.

INTERIOR LANDSCAPE REQUIREMENTS FOR PARKING LOTS

A. FOR EVERY TEN PARKING SPACES OR FRACTION THEREOF, THE APPLICANT SHALL PROVIDE NOT LESS THAN 160 SQUARE FEET OF INTERIOR LANDSCAPED PARKING LOT AREAS CONTAINING AT LEAST ONE TREE WITH A MINIMUM DBH OF TWO INCHES AND FOUR SHRUBS.
B. THE MINIMUM LANDSCAPE AREA PERMITTED SHALL BE 160 SQUARE FEET WITH A MINIMUM PLANTING WIDTH OF NINE FEET.

729 SQ. FT. PROVIDED

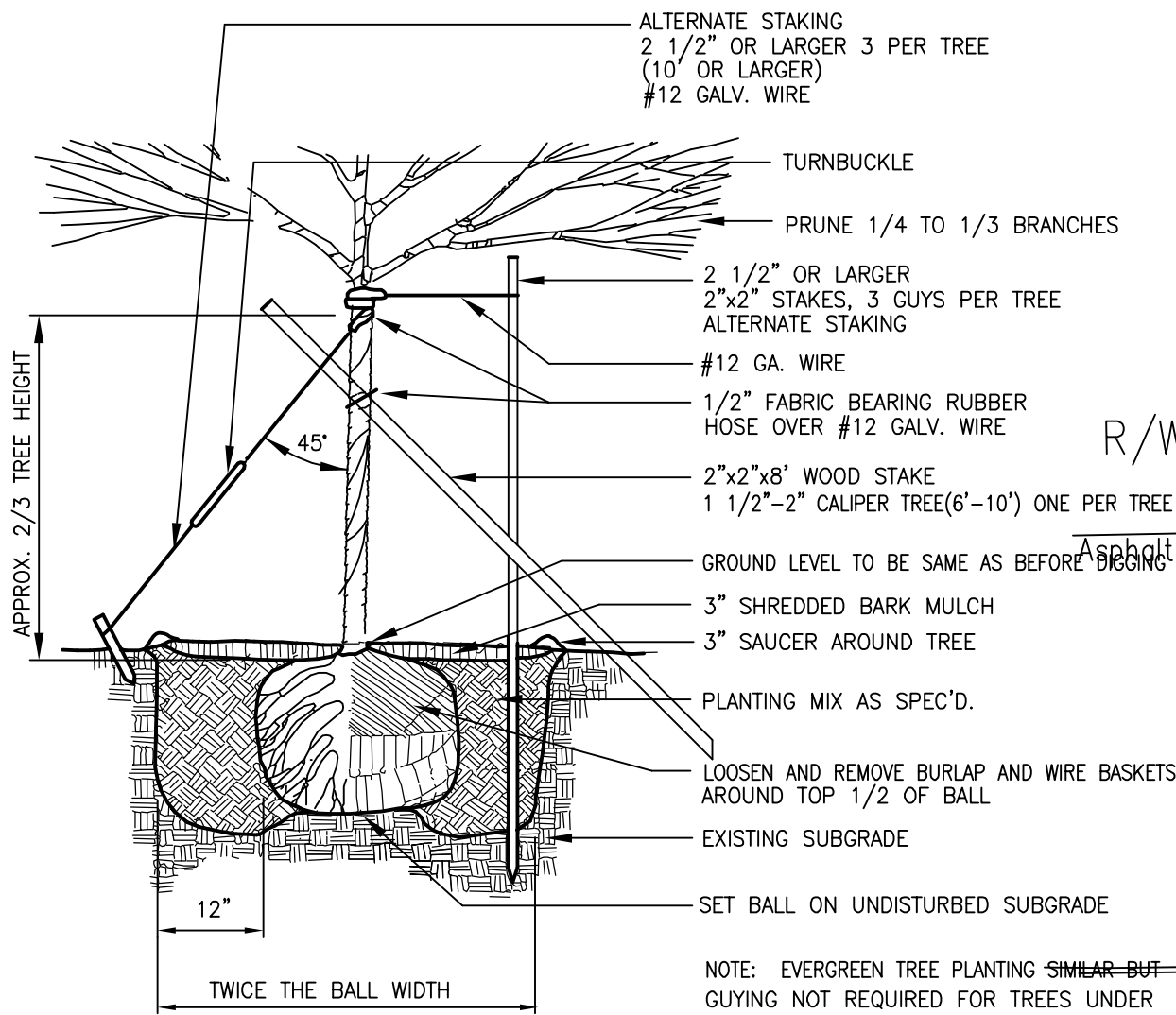
BUFFERYARD:
TYPE A BUFFERYARD REQ'D.)
SFT MIN. W/ 1' CANOPY TREE & 4 UNDERSTORY TREES PER 100'-0"



NOTE: MULCH TO FORM CONTINUOUS SHRUB BEDS

SHRUB PLANTING DETAIL

NOT TO SCALE



NOTE: EVERGREEN TREE PLANTING SIMILAR BUT GUYING NOT REQUIRED FOR TREES UNDER 1 1/2" CALIPER (6' HEIGHT)
REMOVE GUYING, TREE WRAP, ETC. AFTER ONE GROWING SEASON

TREE PLANTING DETAIL

NOT TO SCALE

LANDSCAPE

SPECIFICATIONS

- CONTRACTOR TO VERIFY UTILITY ROUTINGS AND COORDINATE THIS WORK WITH EXISTING UTILITY LOCATIONS. ADJUST PLANT MATERIAL ACCORDINGLY.
- PROVIDE DOUBLE SHREDDED HARDWOOD BARK MULCH 3" DEEP MIN. AT ALL PLANTING BEDS. PROVIDE A MIN. 3" DIAMETER MULCH BED AROUND EACH INDIVIDUAL TREE UNLESS TREES ARE INCORPORATED IN A PLANTING BED.
- ONCE FINAL GRADE IS ESTABLISHED, ALL PLANTING BEDS TO RECEIVE A MIN. 6" DEPTH OF SOIL MIX. SOIL MIX SHALL OF 50% SCREENED TOPSOIL, 25% SAND AND 25% LEAF HUMUS. ALL SEEDED AREAS TO RECEIVE A MINIMUM OF 2" OF CLEAN FINE GRADED TOPSOIL, FREE OF ALL ROCKS AND DELETERIOUS DEBRIS.
- CONTRACTOR TO APPLY STARTER FERTILIZER (20-26-6) OR APPROVED SIMILAR FOR ALL LAWN AND PLANT MATERIAL.
- CONTRACTOR TO SEED ALL DISTURBED AREAS. SEEDING TYPES AND PERCENTAGES ARE AS FOLLOWS:
SEED SCHEDULE (OR APPROVED SIMILAR)

LAWN	SEED TYPE	PERCENTAGE
[A]	KENTUCKY BLUEGRASS	45%
	PENNLAWN RED FESCUE	15%
	PERENNIAL RYEGRASS	40%

NOTE: ALL LANDSCAPED AREAS SHALL BE SERVICED BY AN UNDERGROUND IRRIGATION SYSTEM.

PLANT LIST

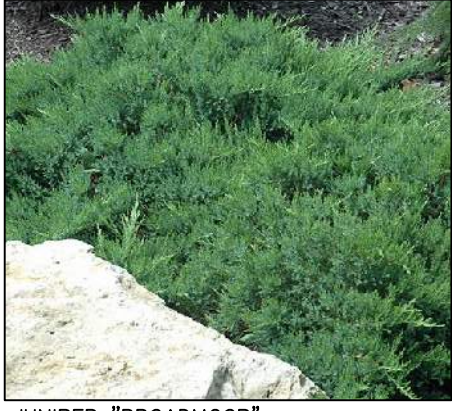
KEY	QUAN.	BOTANICAL NAME	COMMON NAME	SIZE	WIDTH	COND.	NOTES
BW	135	BUXUS	GREEN VELVET BOXWOOD	24"-30"	24"-30"		
JSB	74	JUNIPERUS SABINA "BROADMOOR"	JUNIPER "BROADMOOR"	15"-20"	15"-20"		
KA	40	ABELIA X GRANDIFLORA "KALEIDOSCOPE"	KALEIDOSCOPE ABELIA	3'-0"	4'-0"		
NPA	20	THUJA OCCIDENTALIS "ART BOE"	NORTH POLE ARBORVITAE	12'-0"	4'-0"	B&B	2" cal.
BGA	12	THUJA PLICATA X STANDISHII "VIRGINIAN"	BABY GIANT ARBORVITAE	16'-0"	6'-0"		2 1/2" cal.
VMG	226	LIRIOPE MUSCARI "VARIEGATA"	VARIEGATED MONKEY GRASS	12"	12"		
HL	6	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	60'-0"	40'-0"	B&B	2" cal.
ABG	12	GARDENIA JASMINOIDES "AUGUST BEAUTY"	AUGUST BEAUTY GARDENIA	6'-0"	4'-0"		



VARIEGATED MONKEY GRASS



KALEIDOSCOPE ABELIA



JUNIPER "BROADMOOR"



GREEN VELVET BOXWOOD



"AUGUST BEAUTY" GARDENIA



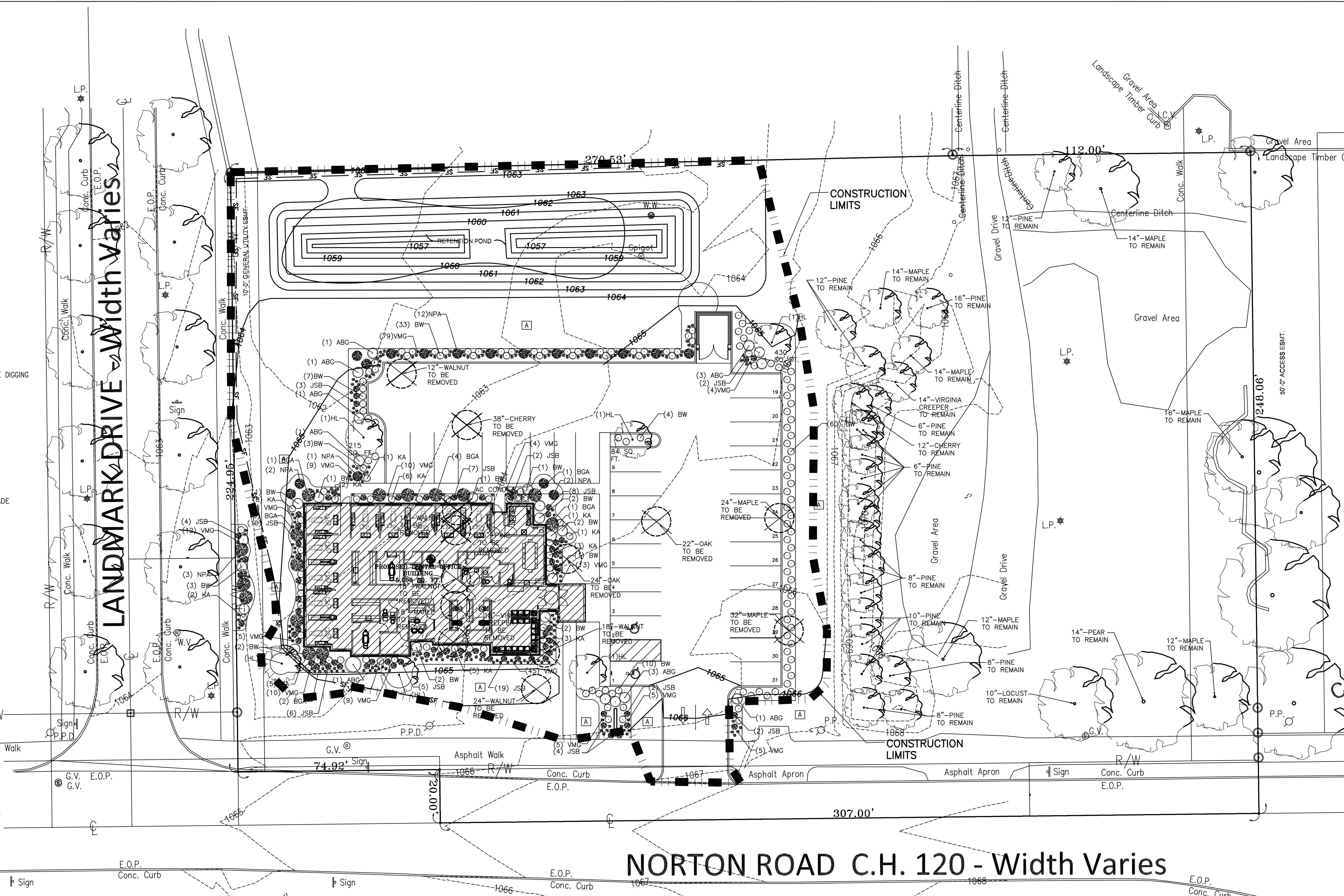
NORTH POLE ARBORVITAE



THORNLESS HONEYLOCUST



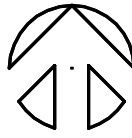
BABY GIANT ARBORVITAE



NORTON ROAD C.H. 120 - Width Varies

LANDSCAPE PLAN

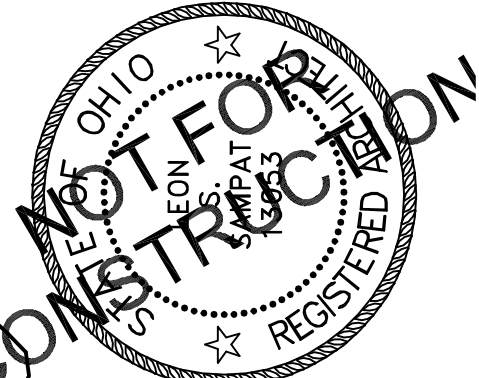
SCALE: 1" = 20'-0"



REV.	DATE

LS ARCHITECTS

22082 LORAN ROAD
FAIRVIEW PARK, OH 44126
PHONE 26-403-8854 FAX 440-76-8897



NEW DENTAL OFFICE BUILDING FOR:

DR. CARUSO
1465 NORTON AVE.
HUDSON, OH

JOB NO: 26-021

DATE: 03.05.2026

ISSUE: REVIEW

SHEET:

L1.1

FOCUS AREAS

OVERVIEW

This section outlines recommendations for the three (3) focus areas identified in the Future Land Use map. A Focus Area is defined as an area that has been identified as an important collection of parcels that are appropriate for development, redevelopment, infill, and can dramatically shape the quality of life and economic success of the community in the future. The concepts shown in this section are only conceptual and do not represent a specific development proposal or fixed plan for redevelopment. They are intended to communicate a vision for how the area *may* develop in the future. The areas were identified during the initial community engagement activities and further refined by the Steering Committee. The Focus Areas include historic Downtown Hudson, the Youth Development Center (YDC), and the Darrow Road Corridor.

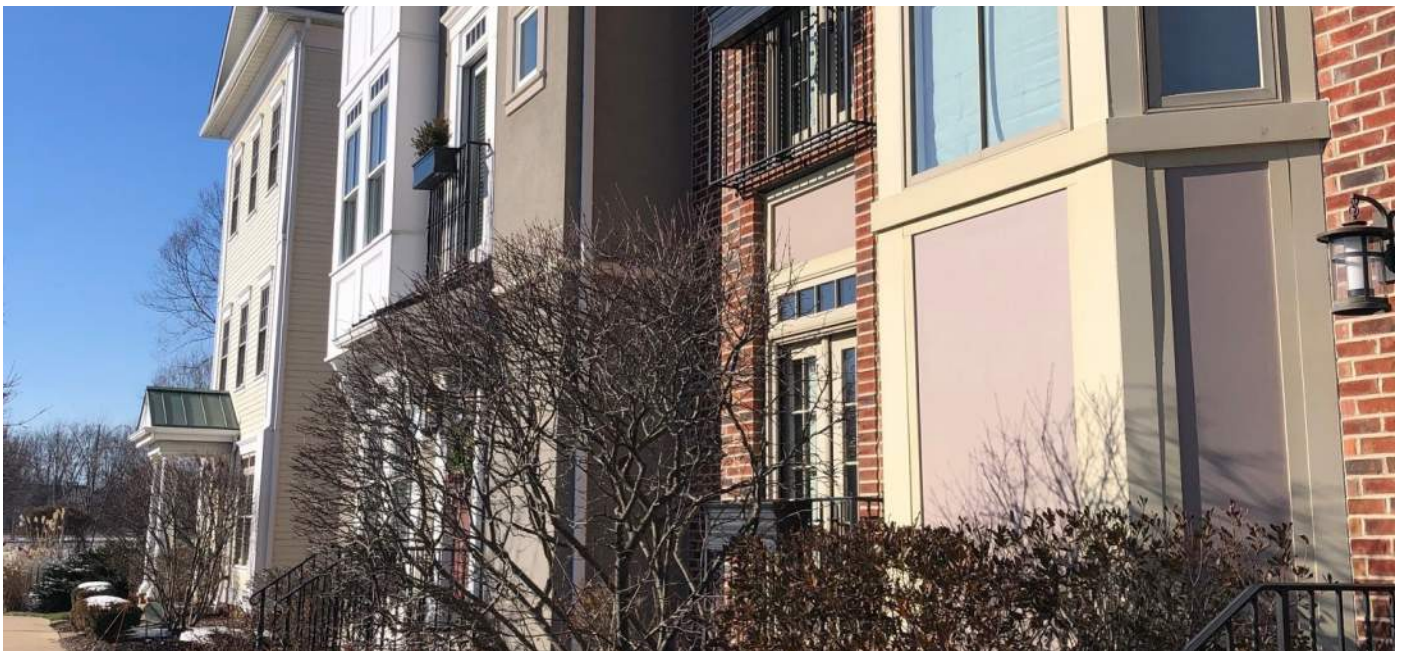
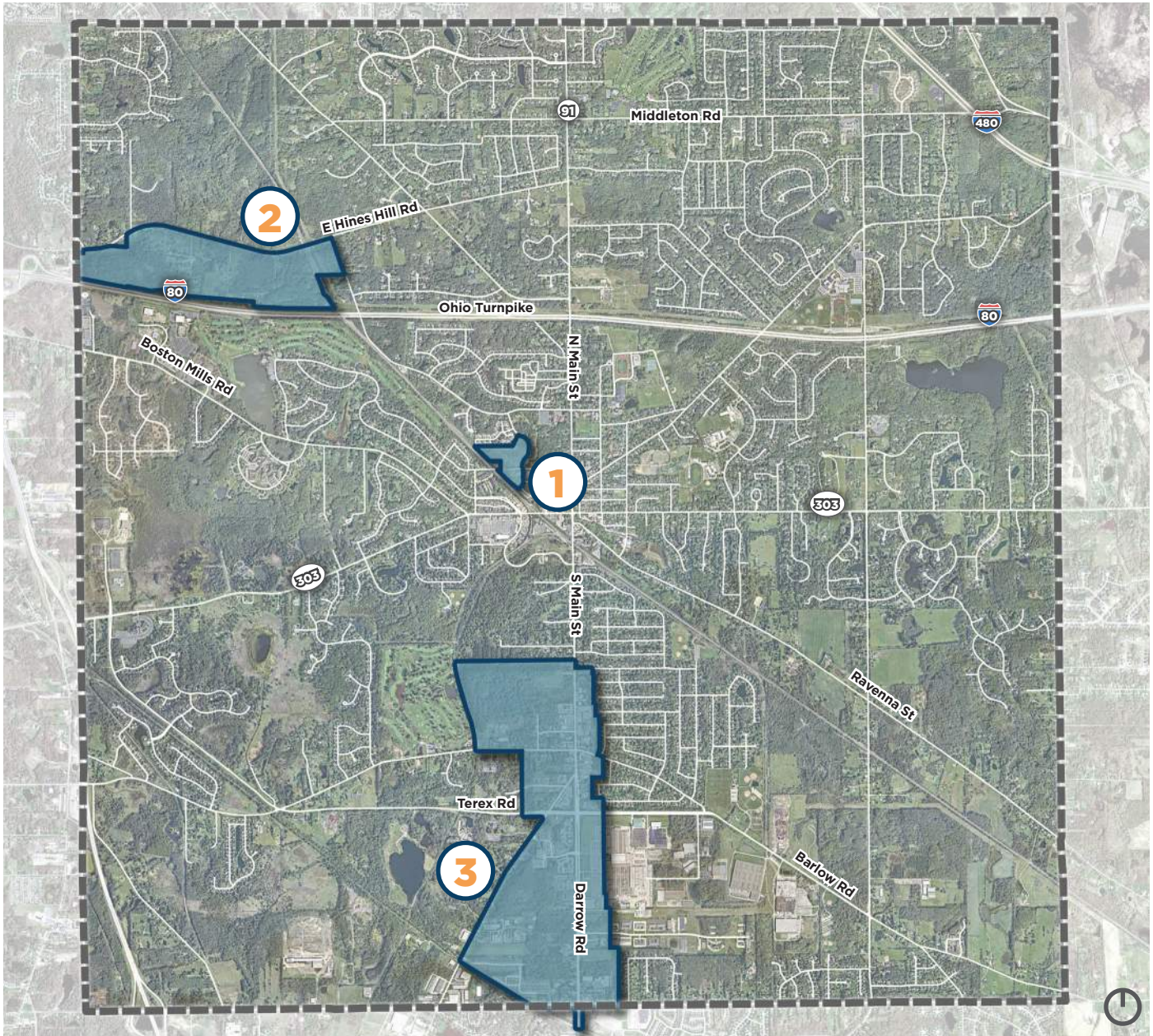


Image 3-1: Existing residential housing located in Downtown Hudson

Focus Areas Map



FOCUS AREAS

The Focus Areas were identified to be historic Downtown Hudson, the Youth Development Center (YDC), and the Darrow Road Corridor, all of which were highlighted in various public engagement events and garnered a multitude of ideas for development which can be seen in the full public engagement analysis in the plan appendix.

- ① Downtown Hudson
- ② Youth Development Center (YDC)
- ③ Darrow Road Corridor

DARROW ROAD CORRIDOR (RT. 91)

Overview

The Darrow Road Corridor focus area begins on Rt 91 at Stoney Hill Drive and extends to the southern boundary of the city at the intersection of Rt 91 and Norton Rd. It currently provides a blend of commercial, office, and light industrial uses with no distinct character. The northern portion of the corridor from Stoney Hill Drive south to Terex Road contains neighborhood scaled retail and service businesses. The southern portion of the corridor contains a mix of large office and industrial facilities closer to Terex Road, including the 400-acre former Terex industrial plant. The southern gateway of the corridor contains Darrowville, a collection of historic structures which were previously part of an independent agricultural community at the Hudson-Stow border.

Vision

The vision for Darrow Road is to enhance the mix of commercial and light industrial land uses while supporting new suburban residential use and public/semi-public space, creating a distinct mixed-use district that complements downtown Hudson. The Darrow Road focus area contains two sub-areas:

- Main Corridor
- Darrowville (Southern Gateway)

A public/semi-public land use site was identified for a potential community/recreation use that may be considered in the future, in addition to the area identified in the Downtown Focus Area. The character images provide context to the aesthetic and development type desired by the Steering Committee and community. Development within areas designated “Light Industrial Flex” should focus on a strong income tax base with the intent to limit large truck traffic.

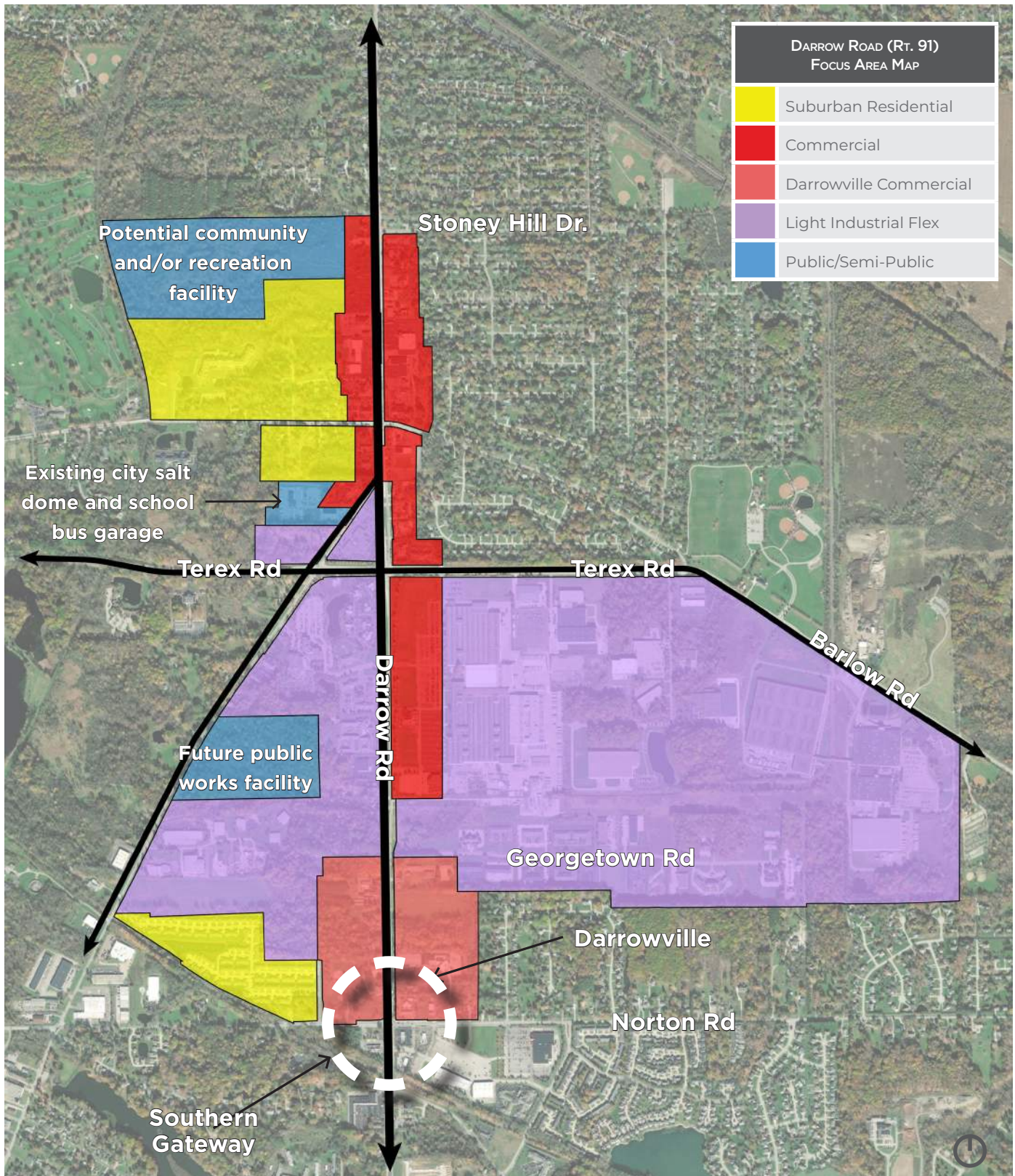


Image 3-10: Aerial view of Darrow Road Corridor Focus Area



Image 3-11: Example of an improved corridor

Darrow Road Corridor (Rt. 91) Focus Area



Main Corridor

The primary portion of the Darrow Rd Corridor begins at Stoney Hill Dr and ends at Georgetown Rd. A blend of mixed-use and infill development should be supported in the area. Architectural guidelines should be considered that aid in maintaining and building the character of the corridor. Although most of the corridor is infill development, there may be opportunity for new development on the undeveloped land south of John Clark Lane. This land has frontage to Darrow Rd and was identified for future public/semi- public use, which could potentially include a community or recreation facility. The east side of Darrow Road, south of Terex Road, has the opportunity for new development to enhance the streetscape and soften the industrial scale of this portion of the corridor.

Further streetscape enhancements and improved connectivity are critical to the vision. Adding pedestrian scale lighting, enlarged and consistent landscape buffer zones, and amenities (benches, trash receptacles, etc.) encourages users to walk and feel secure. Providing multi-use paths and non-motorized connections for cyclists, joggers, etc. provides an active transportation link for the community and ties into the larger county's active transportation network. These improvements would enhance the look and feel of the corridor and extend the character of the downtown through the corridor and to the Southern Gateway.



Image 3-12: Example of streetscape enhancement

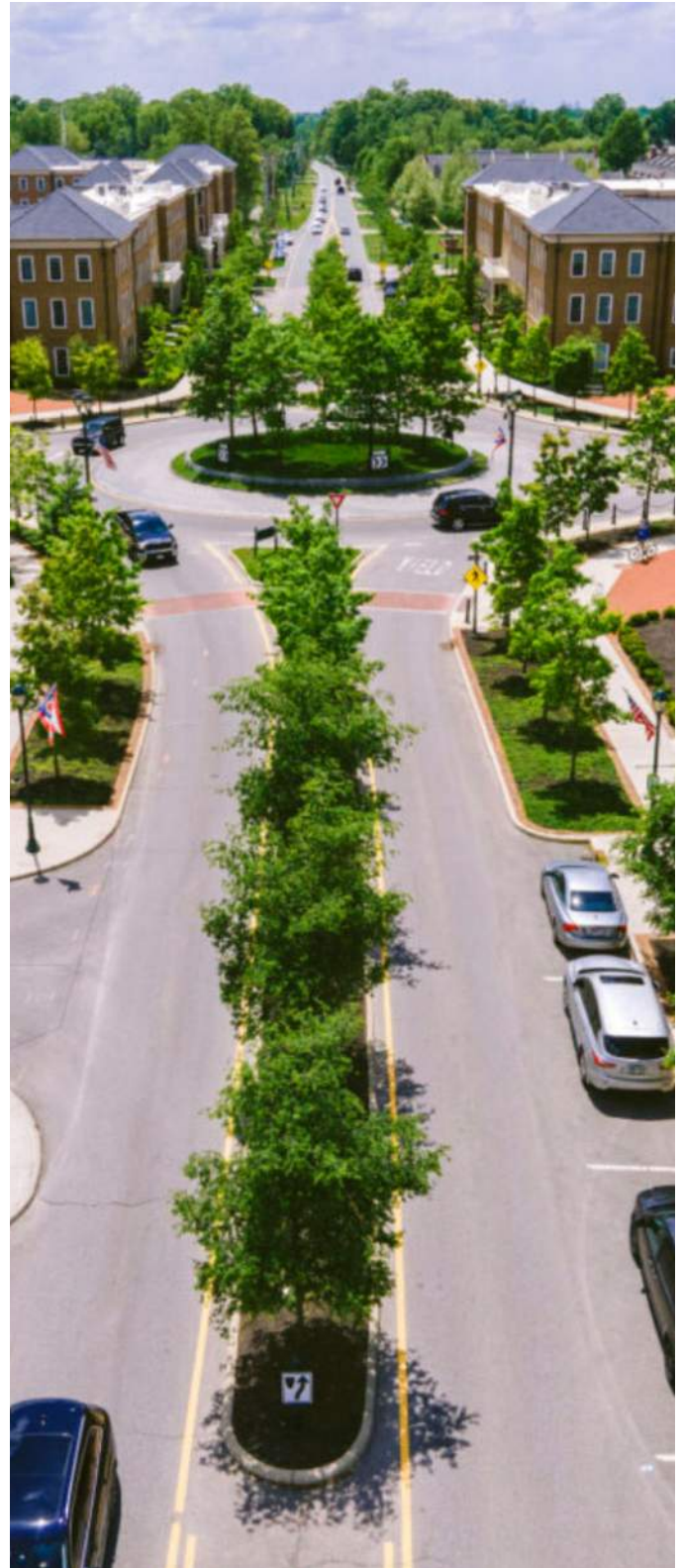
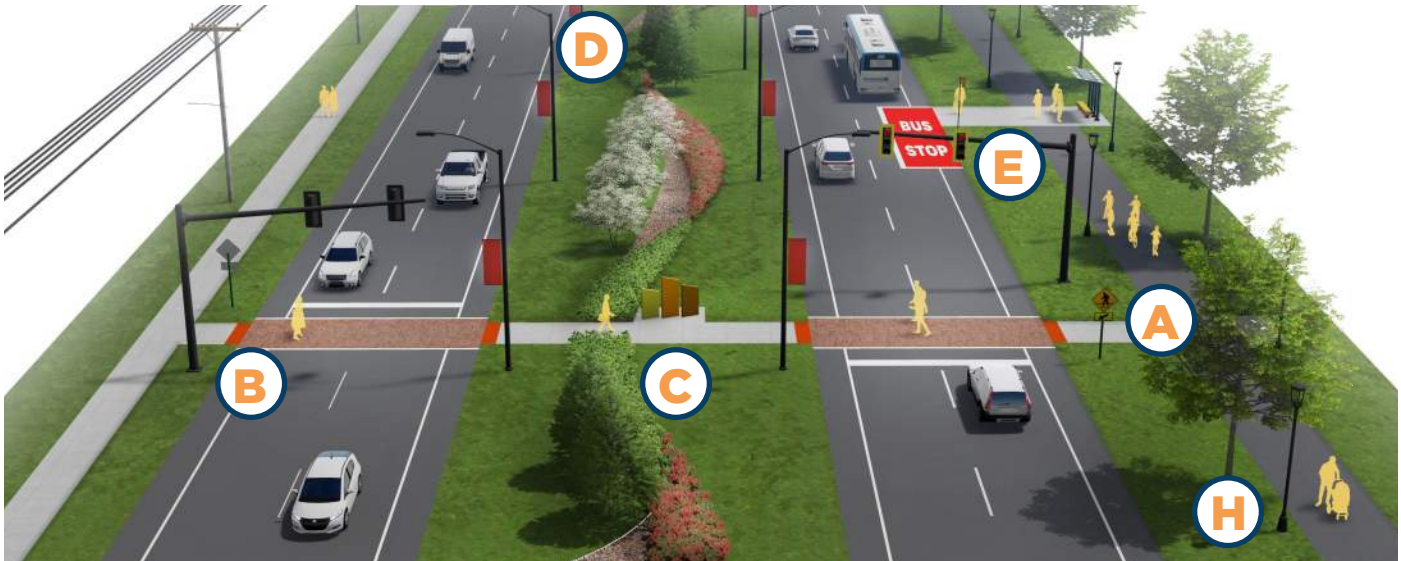
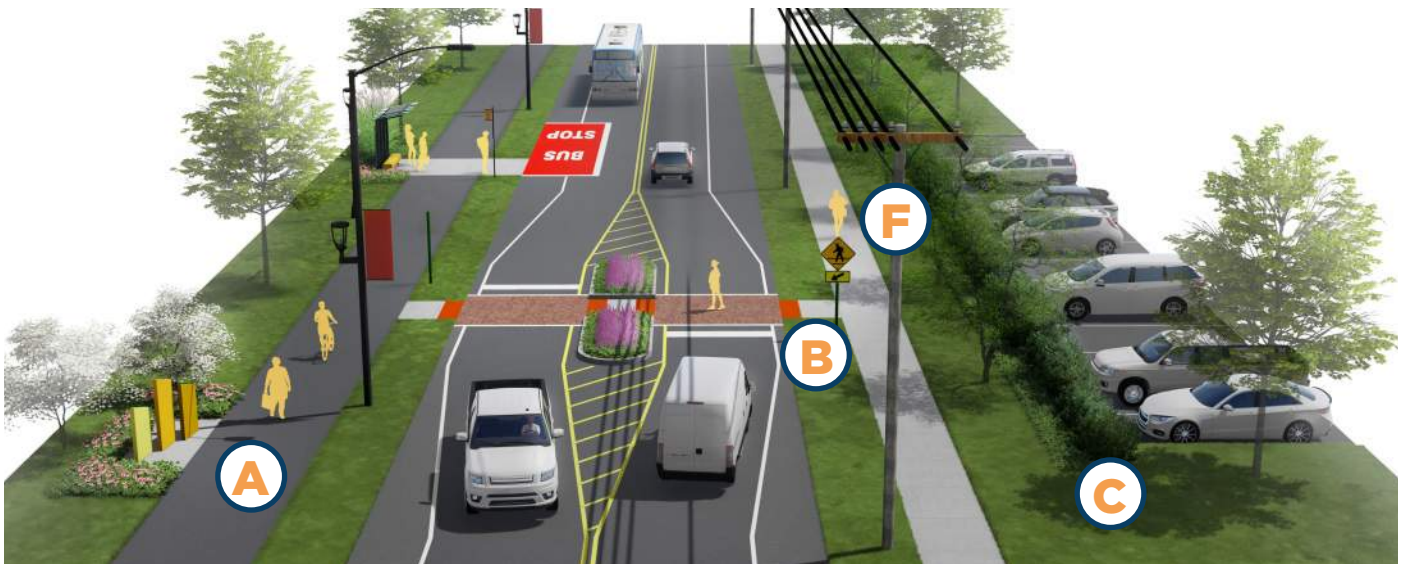


Image 3-13: Example of a streetscape enhancement

Darrow Road (Rt. 91) Corridor



**Note: Renderings are meant to illustrate concepts and do not represent final design treatments*



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| A Continuation of multi-use paths with pedestrian lighting and landscaping | D Consistent street lighting and banner signage | F Bury or relocate overhead wires where feasible |
| B Enhanced crosswalks and pedestrian islands for improved safety & visibility | E Options for enhanced transit waiting zones for users and service routes (marked bus stops) | H Plant street trees when possible |
| C Established landscape standards and design guidance that prioritize native species and habitat restoration | D Opportunity for public art installations | |

Darrowville (Southern Gateway)

The area identified as Darrowville begins at Georgetown Road and ends at Norton Road. Darrowville was once an independent agricultural community, with several significant structures still intact today. Due to its history, this portion of the Darrow Rd focus area should be held to more stringent architectural standards than the main corridor, including protection for historic structures. Darrowville is envisioned as the Southern Gateway to Hudson. Creating the gateway involves enhancing the public realm along the right-of-way to include elements that communicate distinct entry into Hudson. This may include branded signage, specialty pavers, streetscape improvements, and other branding elements. The Steering Committee's desire was to have the gateway elements reflect New England Western Reserve characteristics. Darrowville should provide a preview of Hudson's architectural character and create a sense of being welcomed into a community of the highest quality.



Image 3-14: Example of a streetscape enhancement