Jer saw-cut of sewer main by proper tools ("Sewer Tap" machine or any and proper installation of inub-wye saddle or hub-tee saddle, ove an entire section of pipe (breaking only the top of the bell) and toe with a wye or tee branch section. , neatly and accurately cut out desired length of pipe for per fitting, using "Band-Seal" or similar couplings to hold

lexible-type couplings shall be used for the pe of dissimilar materials:

itary manholes shall have a minimum inside diameter of 48 inches. de steps shall be 16" min. wide plastic w/continuous 1/2 steel remiorcement viustries or equal.

striction to estiling inns shall be constructed in accordance with the the dulity owner and to the satisfaction of the fully owner. The former is a satisfaction of the fully owner, on a coordance with the specifications for the Village of Othan Park in a values, including pressure lap valves, adjacent to an existing decision youternain valves shall only be operated by the Village of decision youternain valves shall only be operated by the Village of Village

"", interceptor diese or other approved functional methods. The responsible for menoring sediment sessions standard methods. The ved damage studiums, and damage studiums.

"It power and to the entire"

or shall verify the location and elevation of existing connected to proposed work. Discrepancies shall be

ewer, storm sewer, and water system construction shall conform to I Specifications for Water and Sewer Main Construction in Illinois",

All pairing and related improvements shall be constructed in accordance with the line in bepartment of Transportation, "Standard Specifications for Road and Bladge Construction in lineas", current edition, and the property of the property

lify structures requiring adjustment are to be adjusted (up to 6" at allowed with a maximum of 2 precest concrete hitsy) or vy the contractor to the still yowner's satisfaction. Adjustments or rior claded for on the plans shall be considered incidental to the si of no more than 6" out on the sets and a richest of adjusting rings and an adjusting mines and an adjust structures. Adjusting rings shall be set in a bed of shardering mastic (RQIBA-RIKF or approved equal). The upper shall be made of recycled rubber (Infra-Riser brand or equal), to existing manyholes shall be made by coming the existing manyhole and or canable it outlet and installing a press seal PSX or bod in the cored operating.

ored opening. ctions for pipes greater than 12 inch diameter shall be

→ T etandards It is smalles, provided by the centrador to the Village lowing completion of improvements.

d "VILLAGE OF ORLAND PARK" and "SANITARY".

refer to back of curb. Lane dimensions refer to face of curb or iall subscribe to all governing regulations and shall obtain all agency permits. Orland Park, IL 60462 8920 W. 159th Street

SITE IMPROVEMENT PLANS DETAIL BUILDING

|&| +| **4**| | | | | | | | | | | | | |

EXISTING CATCH BASIN
PROPOSED CATCH BASIN

EXISTING TRANSFORMER
EXISTING ELECTRIC MANHOLE
EXISTING ELECTRIC CABLE
EXISTING TELEPHONE PEDESTAL
EXISTING TELEPHONE MANHOLE
EXISTING TRAFFIC SIGNAL
EXISTING TRAFFIC SIGNAL
EXISTING DAS VALVE
EXISTING GAS WAIN

- EXISTING STORM SEWER

EXISTING FENCE UNE
EXISTING DECIDIOUS TREE

EXISTING EVERGREEN
EXISTING BUSH/HEDGE
EXISTING WETLAND

PROPOSED HUNG CURB EXISTING POWER POLE

+ PROPOSED SANITARY SEWER
EXISTING VALVE IN VAULT
PROPOSED VALVE IN VAULT
EXISTING VALVE

EXISTING SANITARY MANHOLE
PROPOSED SANITARY MANHOLE
+- EXISTING SANITARY SEWER

PROPOSED CONTOUR LINE
EXISTING CURB

LEGEND

Linden Group Architects

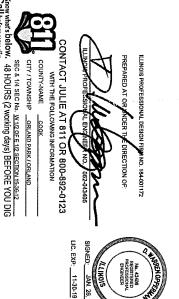
CONTACT: GRANT CURRIER 10100 ORLAND PARKWAY, SUITE 110 ORLAND PARK, IL 60467

gcurrier@lindengroupinc.com PHONE: 708-799-4400



Joseph A. Schudt & Associates 9455 ENTERPRISE DRIVE MOKENA, IL 60448 PHONE: 708-720-1000 www.jaseng.com FAX: 708-720-1065

CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL LAND PLANNING GPS SERVICES



NOTE: ALL SANITARY SEWERS
FROM SITE TO THE M.W.R.D.
INTERCEPTOR ARE OWNED BY
THE VILLAGE OF ORLAND PARK.

VICINITY MAP (NOT TO SCALE)

Sheet No. EROSION CONTROL-GRADING PLAN-UTILITY PLAN STORM WATER POLLUTION PREVENTION PLAN CONSTRUCTION SPECIFICATIONS EXISTING SITE TOPOGRAPHY CONSTRUCTION DETAILS INDEXCOVER SHEET SITE PLAN Sheet Title

LEGAL DESCRIPTION:

TION OF LOT 1 IN ROESCH PARK SUBDIVISION BEING A SUBDIVISION IN THE 1/2 OF THE EAST 1/2 OF SECTION 15, TOWNSHIP 36 NORTH, RANGE 12 EAST OF HIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

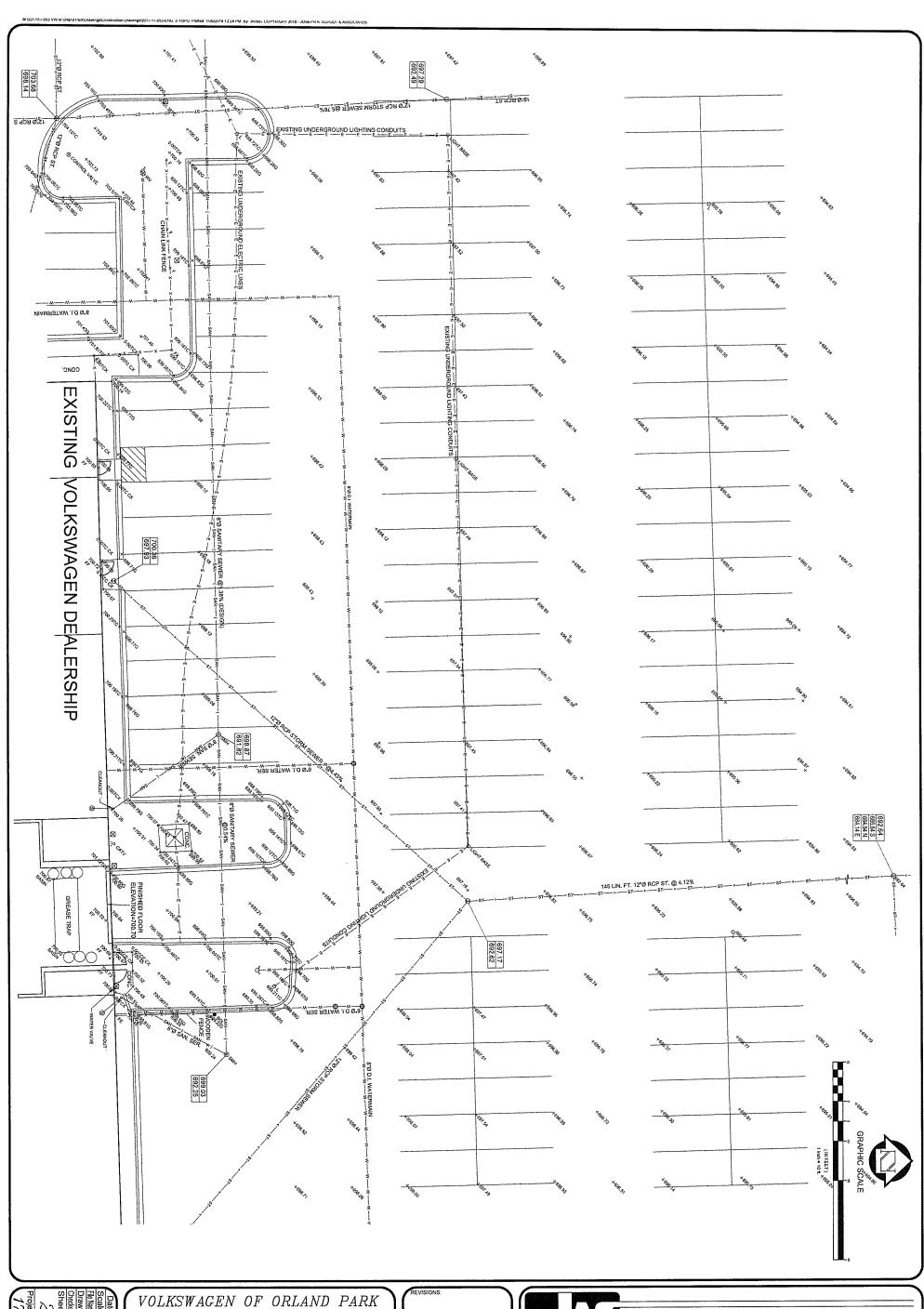
- 27-15-401-015-0000

ENCHMARK:

. WEST FLANGE BOLT ON FIRE HYDRANT LOCATED IN THE INTERSECTION OF 159TH ST. AND HAVEN AVE. ELEVATION = 720.34 (NAVD 88)

FINISH FLOOR ELEVATION AT THE NORTH GARAGE ENTRY DOOR OF EXISTING VOLKSWAGEN DEALERSHIP. ELEVATION= 700.70 (NAVD 88)

De	Da		No.	-	
Design:	Date: 11-17-17		Date	01-26-18 JAR	
Apr	Drawn. JAR		By		
Approved:	JAR			PER VILI	
	0 HH H	REV		PER VILLAGE OF ORLAND PARK	
		REVISIONS	Desci	ND PARK	
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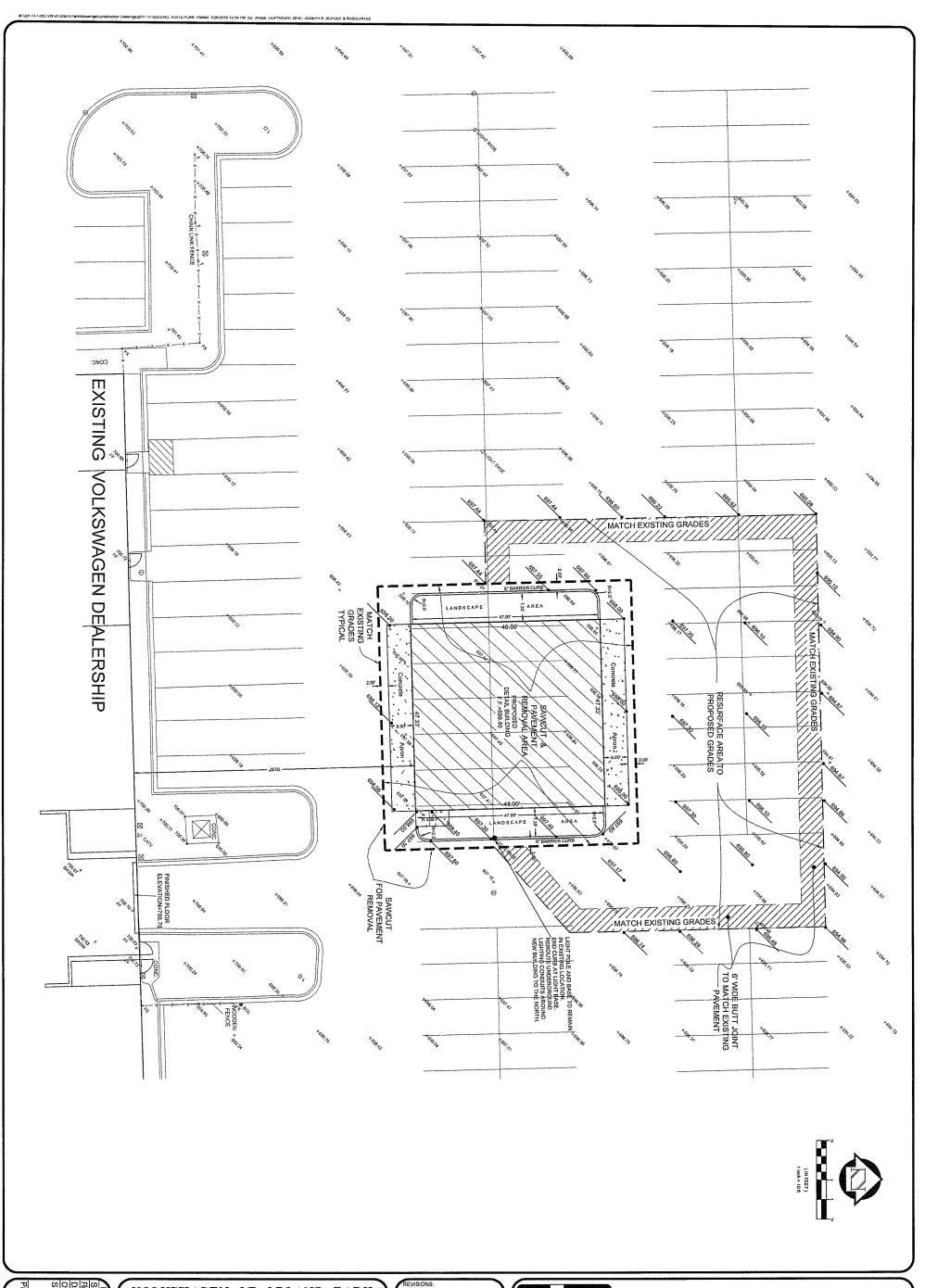
Date: 11-17-17
Scale: 1" = 10"
File Name: 2017/17-083-ENG
Drawn: JAR
Checked: DWO
Sheet:
2 of 7
Project No.:
17-053

VOLKSWAGEN OF ORLAND PARK
8920 W. 159th ST., ORLAND PARK, IL
EXISTING SITE TOPOGRAPHY





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Date: 11-17-17
Scale: 1" = 10'
File Name: 2017-17-053-ENG
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3 or 7
Project No.:
17-053

VOLKSWAGEN OF ORLAND PARK
8920 W. 159th ST., ORLAND PARK, IL
SITE PLAN & GRADING PLAN

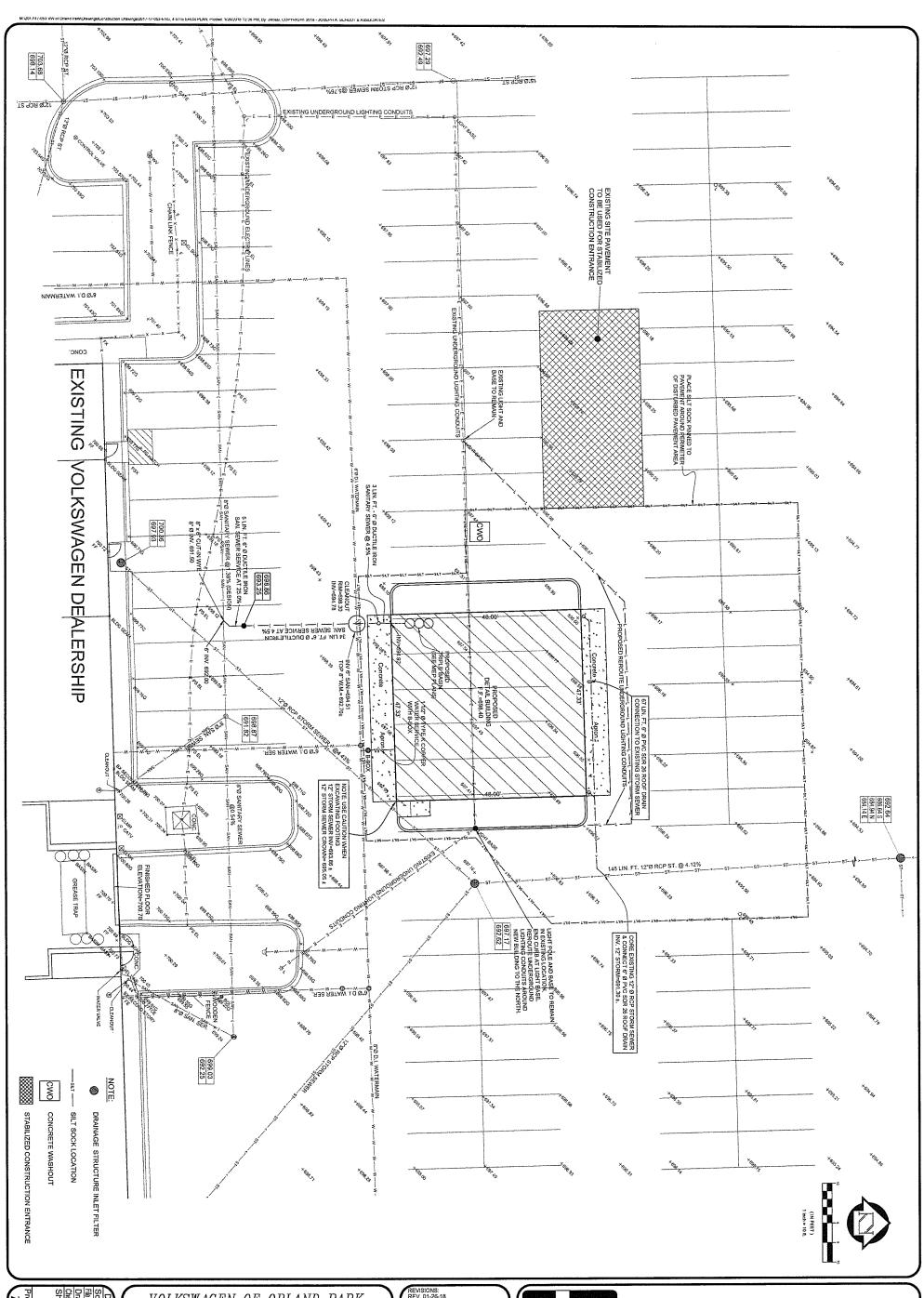
REVISIONS
REV. 01-26-18

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JOSEPHA SCHUOTA ASSOCIATES
ANy use ALL RIGHTS RESERVED
Any task of the design opproach idea or Concepts described in this document and the ottoched drawings, in whole comment and the ottoched drawings, in whole or chickled except with written consent of the 30-305EPH A SCHUOTA ASSOCIATES



Joseph A. Schudt & Associates 9455 ENTERPRISE DRIVE MOKENA, IL 60448 PHONE: 708-720-1000 www.jaseng.com FAX: 708-720-1065



Date: 11-17-17
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Sheet:

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Project No.:
177-053

VOLKSWAGEN OF ORLAND PARK

8920 W. 159th ST., ORLAND PARK, IL

EROSION CONTROL PLAN & UTILITY PLAN





Joseph A. Schudt & Associates 9455 ENTERPRISE DRIVE MOKENA, IL 60448 PHONE: 708-720-1000 www.jaseng.com FAX: 708-720-1065

STORM WATER POLLUTION PREVENTION PLAN

The following plan is established and incorporated in the project to direct the contractor in the bluerment of temporary erosion control systems and to provide a storm sewer water pollution severation plan for compliance under NPDES.

purpose of this plan is to minimize erosion within the construction site and to limit ments from leaving the construction site by utilizing proper temporary erosion control ents and providing ground cover within a reasonable amount of time.

tain erosion control facilities shall be installed by the contractor at the beginning of struction. Other items shall be installed by the contractor as directed by the Engineer on a bry caso. Other items are the contractor's sequence of activities, time of year, and exted weather conditions.

contractor shall install perimanent existion control systems and execting within a time to specified install and additionable by the Engineer, therefore minimizing the amount of a susceptible to erosion and reducing the amount of temporary secting. The Engineer will armine if any temporary erosion control of systems shown in the plan can be deleted and if additional temporary erosion control systems, which may not be included in this plan. If the addition. The contractor, shall perform all work as directed by the Engineer and as win in Standard 25000.

Section 280. Temporary erosion control, of the standard specifications additionally supplements this plan.

SITE DESCRIPTION & DESCRIPTION OF CONSTRUCTION ACTIVITY

- Construction includes earthwork, parking improvements, and storm sewer improvements for a proposed site. The project is located North of 159th Street and West of 89th Avenue in Orland Park, IL. The site disturbance acreage is 0.098 acres.
- DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTION OF THE CONSTRUCTION SITE:

The project is not within the 100-year Floodplain limits and no Wetlands are present

Erosion control slit fencing shall be in placed prior to earthwork activities.

Site shall be cleared. Topsoil will be remove and graded as necessary, with all proposed roads graded to roughly 1-foot below final elevation on plans.

After completion of storm sewer construction, storm sewer inlet protection shall be placed at each open-grate structure.

Parking areas shall be constructed.

AREA OF CONSTRUCTION SITE:

The total area of the construction site is estimated to be <u>0.008</u> acres by which <u>0.008</u> acres will be disturbed by excavation, grading, and other activities. Of this 0.098 acres, 0.00 acres are construction within the Public R.O.W.

Information of the soils and terrain within the site was obtained from topographic surveys and soil borings that were utilized for the development of the proposed temporary erosion control systems.

OTHER REPORTS, STUDIES AND PLANS, WHICH AID IN THE DEVELOPMENT OF THE STORM VATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

- Project plan documents, specifications and special provisions, and plan drawings indicating drainage patients and approximate stopes anticipated after grading activities were utilized for the proposed placement of the temporary erosion control systems.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE.

The site shall drain into existing stormwater detention ponds by means of a proposed storm server system, and overland flow. The stormwater detention system reduces the peak stormwater runoff before discharging into existing Village storm server system.

CONTROLS, EROSION CONTROLS AND SEDIMENT CONTROL

The deavings, specifications and special provisions will ensure that existing vegatation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices include temporary secoling, permanent seeding, mulching, protection of trest, preservation, one nature vegatation, and other appropriate measures as directed by the Engineer. Shabilization, and other improvision experiences as directed by the Engineer, behalication measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently creased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

WIRE MESH REINFORCEMENT (OPTIONAL)

- Areas of existing vegetation, wood and grasslands, outside the proposed construction limits shall be identified by the Engineer for preserving and shall be
- Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal. As soon as reasonable access is available to all focations where water drains away from the project, temporary perimeter erosion barrier shall be installed as called out in this plan and directed by the Engineer.
- Bare and sparsely vegetated ground in high erodble areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are expected within seven (7) days.

PROGET ANV...

FABRIC ANCHORAGE TRENCH BACKFILL W/ TAMPED NATURAL SOIL.

mnediately after tree removal is completed, areas which are highly erodible as letermined by the Engineer, shall be temporarily seeded when no construction ctivities are expected within seven (7) days.

NOTE:
DEPENDING UPON CONFIGURATION,
ATTACH FABRIC TO WIRE MESH
WHOOG RINGS, STEEL POSTS WITIE
WHEES, WOOD POSTS WINALLS,

CONSTRUCTION ENTRANCE N.T.S.

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WASHOUT FACILITY STRAW BALE

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SILT FENCE DETAIL

The Village of Orland Park is esponsible for conducting site visits and verifying that the practices are verifying properly and determine if additional practices are needed for better soil erosion and sediment control. If additional practices are deemed necessary by the Village the contract will implement the practice in a timely manner. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will styread seeds onto the construction site until permanent seeding/mowing and over seeding

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

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PREMIANIA PROGNASS 90 LISAA, MAXED WITH
RESIDINAL PROGNASS 91 SIBSAAC, MAZED WITH
PRESIDINAL PROGNASS 95 LISBAAC, #2 TONS
STRAWMALLEH PREP ACE;
C. SPRING ANTS ON LISBAAC.
D. WAS JO OF CEREAL RYE 192 LISBAAC.
E. STRAWMALCH 2 TONSIAC.
F. STRAWMALCH 2 TONSIAC.

IRRIGATION NEEDED DURING JUNE, JULY AND SEPT.
 IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SODDING

NOTE:
PROVIDE TEMPORARY SEEDING FOR ALL DISTURBED
PROVIDE TEMPORARY SEEDING FOR ALL DISTURBED
PROVIDES ESTATEMENTS, DETENTION POWIDS ETC. TO BE LEFT
PROVIDER THAN I TOWNS BEFORE PERMANEUT SEEDINGFINAL
LANDSCAPING IS TO OCCUR.

Project No.: 17-053

File Name: 2017-17-053-ENG
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ERMANENT LANDSCAPING TEMPORARY EROSION CONTROL CONTINUING MAINTAINENCE.

Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.

- As construction proceeds, the contractor shall institute the following as directed by the Engineer.
- Place temporary erosion control facilities at locations shown on the plans.
- ii. Temporarily seed erodble bare earth on a weekly basis to minimize the amount of erodble surface area within the contract limits.
- iii. Provide temporary erosion control systems.
- Continue building up the embankment to the proposed grade while, at the same time, placing permanent erosion control final shaping to the stopes.
- Construction equipment stall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or other pollutant in accordance with EPA water quality regulations, beaking equipment or supplies shall be immediately repaired or removed from the sile.
- The contracts shall inspect the project daily during construction achieves, inspection shall also be done weekly and after raise of 12-inch or greater or equivalent stockfall and during the winter shutdown paid. The project shall additionally be inspected by the construction field Engineer on a bive-eakly basis to determine that ensists control effects are in place and effective and if other ensists control effects work is necessary.

- Sediment collected during construction of the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance shall be included in the unit bid price for earth excavation for erosion control.
- (g.) The temporary erosion control systems shall be removed, as directed by the Engineer, after use is no longer needed or no longer functioning.
- Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded
- Upon completion of the industrial buildings, permanent landscaping features, including sod, will be established.
- MISCELLANEOUS: Temporary erosion control seeding shall be applied at a rate of 100 bs/acres, if directed
- Straw bales, hay bales, perimeter erosion barrier and sitt fences will not be permitted for temporary or permanent dich checks. Chich checks shall be composed of aggregate, sitt panels, colled excelsion, urethane formgete

- Excavated areas and embankment shall be permanently seeded immediately after final grading. If not, they shall be temporally seeded if no construction activity in the area is planned for seven (7) days.

- DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING
- Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas sodded and established.

- Sedment callected during construction by the various temporary erosion control systems shall be deposed of on the site on a regular basis, as directed by the Engineer. The cost of this maintenance shall be paid for at the contract unit price per cubic yard for earth

MAINTENANCE AFTER CONSTRUCTION:

Construction is complete after acceptance by the municipality. Maintenance up to this date will be by the contractor.

	Z	INSPECTION AND MAINTENANCE PLAN
	INSPECTION	CORRECTIVE ACTIONS
VEGETATED AREAS	Annually early spring and after heavy rains	Inspect all slopes and embankments and replant areas of bars soil or with sparse growth Armor nil erasion areas with grap or dwent the nunof to a stable area lispect and repart downship of all spreaders and turn-outs for erosion they were particularly as a sportfeld for the area.
DITCHES, SWALES AND OPEN STORMWATER CHANNELS	Annually spring and late fall and after heavy rains	Remove obstructions, sediments or detris from distries, swales and other open channels. Repair any eroston of the disth indirg. Koh vegetated disches. Remove woody vegetation gowing through riprap. Remove woody vegetation gowing through riprap. Repair any sumpring side slopes. Repair any sumpring side slopes.
CULVERTS	Spring and late fall and after heavy rains	Remove accumulated sectments and debris at the inlet, outliet, or within the conduit Remove any obstituction to flow Repair any ensous damage at the culvert's inlet and outlet
CATCHBASINS	Annually in the spring	Remove sediments and debris from the bottom of the basin and inlet grates Remove floating debris and oils (using oil absorptive pads) from any trap
ROADWAYS AND PARKING AREAS	Annually in the spring or as needed	Clear and terroive accumulated writer sand in parlong jots and along creativeys. Sweep pavement to remove sectiment. Grade road shoulders and remove accumulated winter sand Grade grade that some accumulation with reserved accumulation of the control of the c
RESOURCE AND TREATEMENT BUFFERS	Annually in the spring	inspect buffers for evidence of erosion, concentrated flow, or encrosebment by development. Manage the buffer's vegetation with the requirements in any deed restrictions. Repair any sign of erosion within a buffer inspect and repair down-skips of all syneadors and furn-outs for erosion inspect and repair down-skips of all syneadors and furn-outs for evision flow install more level syneadors, or dight turn-outs for exceed for a befire distribution of flow Chain-out any accumulation of estimate which the propagate Buffer in turnout pools flow more any accumulation of estimate which the propagate Buffer in turnout pools flow in the province of the
WETPONDS AND DETENTION BASINS	Armually in fall and after heavy rains	Inspect the embankments for settlement, slope ension, piong, and stamping Mow the embankment to conflot woody vegetation. Inspect the outlet structure for broken easts, obstructed outloes, and plugged trash racks Remove and dispose of sedments and debra within the control structure Repair any damage to trash racks or debris guards. Replace any dalonged store in ripp or spillways Replace any dalonged store in ripp or spillways Remove and dispose of accumulated sediments within the impoundment and forebay.
FILTRATION AND INFILTRATION BASINS	Annualty in the spring and late fall	Clean the basin of debtis, sediment and Indiducations Provide for the removal and disposal of accumulated sediments within the basin. Renew the basin media if it liats to drain within 12 hours after a one inch rainfall every. Ill, seed and mulch the basin of vegetation is sparse. Repair irraps where unserlying lifter fabre or gravel as showing or where stones have dispoged.
PROPRIETARY DEVICES		Contract with a third-party for inspection and maintenance Follow the manufacturer's plan for cleaning of devices Contract the absoluteable for accomplish inspection and maintenance repulsionance for
PRACTICES	As specified for devices	contact the department for appropriate inspection and maintenance requirements for other drainage control and runoff treatment measures.

STORM WATER POLLUTION PREVENTION PLAN CERTIFICATES: The following certificates shall be executed & provided to the Village of Orland Park and Engineer with a copy at the job site:

Contextor Conflication Satement. "Learly under penalty of law that I undestand the terms and conditions of the general Netional Pollution to Discharge Elministion System (NPDES) permit (ILR-10) that authorizes the storm vater discharges associated with activity from the construction site identifies as part of this certification."

Owner Cartification Statement: "I certify under penalty of law hast this document and all assubments were operated under my direction or supervision in accordance with a system designed to assure that qualified personnel property gathered and evaluated the high information submitted. Beside for phyritery of the person of persons who managa the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and beside, thus, accurate, and compiles or, an exvise there are significant penalties for submitting date information, including the possibility of fine and improsorment for knowling the informations, including the possibility of fine and improsorment for knowing violations."

The Village of Orland Park requires compliance with NPDES Phase II program. As such, all developments shall provide to the extent possible, construction site run-off control and illicit discharge prevention and elimination.

- The owner is responsible for submitting the Notice of Intent (NOI) to the IEPA after the Storm Water Pollution Prevention Plant (SVMPP) is complete. The contractor is responsible for insumpt that the NOI is postimarked at least 30 days before commencement of any work on site.
- The contractor is responsible for having the SWPPP on site at all times. Prior to commencement of construction, the owner shall provide written notification to the IEPA of completion of the SWPPP and that said plan is available at the site.
- inspection of controls will be completed by the owner at least once every 7 days and within 24 hours of a storm 0.5° or greater.
- An incident of Non-Compliance (ION) must be completed and submitted by the owner to the IPEA and copied to the Village if, at any time, an erosion or sedment control device fails.
- A Notice of Termination (NOT) shall be completed by the owner in compliance with NPDES Phase II requirements when all permanent erosion control measures are in place with a 70% establishment rate of vegetation. The NOT shall be sent to the IEPA poor this follows:
- The contractor shall take the necessary steps to control waste such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site that may cause adverse impacts to water quality.

CONSTRUCTION ACTIVITY SEQUENCING: Place perimeter sil sock. Establish stabilized construction entrance and concrete washou Strip topsoil from site. Strip topsoil from site. Rough grade site. Construct new building foundation. Install Construct Revi

- March, 2018 - March, 2018 - March, 2018 - March, 2018 - April, 2018 - April, 2018 April, May, June,

SHOW BYTE WICHOUT RECLICIES them so Landard Column 3 INSPECTION SCHEDULE

1. DIVERSION AND STRUCTURAL MEASURES.
MIL BE INSPECTED AT WEEKLY INTERVALS
OR AFTER EVERY RAIN STORM PRODUCING
RUMOFE. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTEIMNCE OF ALL SOIL EROSICH CONTROL MASAURES DURING CONSTRUCTION AND THE OWNER WILL ASSUME RESPONSIBILITY OF ALL SOIL EROSION CONTROL MEASURES AFTER CONSTRUCTION. ACCUMULATION.

VEGETATIVE PLANTINGS - SPRING PLANTINGS

WILL BE CHECKED DURING SUMMER OR SEDIMENT BASINS AND PONDS WILL BE CHECKED AFTER EACH MAJOR
PHASE OF THE DEVELOPMENT FOR SEDIMENT

L PACH YALLY REGISTON CONTROL MEASURES, STREET, STREET

HARD SURFACE OR

CONSTRUCTION SEGMENCE AND RESEARCH STANDARD SEGMENT CONTROL MEASURES:

1. NISTALL SEDMENT CONTROL MEASURES:

1. OF CREETATION CONTROL MEASURES:

2. RESEARCH AND THE STANDARD STANDARD SECTION ENTRANCE

2. RESEARCH AND PROTECT EXISTING

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VOLKSWAGEN OF ORLAND PARK W. 159th ST.,





Joseph A. Schudt & Associates 9455 ENTERPRISE DRIVE MOKENA, IL 60448 PHONE: 708-720-1000 www.jaseng.com FAX: 708-720-1065

8920 STORM WATER POLLUTION PREVENTION PLAN

ORLAND PARK, IL

GENERAL CONDITIONS

- Village of Orland Park Public Works (Telephone 708-444-550), M. W.K.D. Sewer Fermit Office (Telephone 708-586-4055), and Joseph A. Schuldt & Associates (Telephone 708-720-1000) must be notified (2) working days prior to commencement of work
- The Standard Specifications, construction plans and subsequent details are all to be considered as part of the contact, incidental items or accessories necessary to complete this work may not be specifically noted but are to be considered a part of
- 3. Prior to commencement of construction, the contractor shall verify all dimensions and conditions at the job site. In addition, the contractor must verify the Engineer line and grade stakes. If there are any discrepancies from what is shown on the construction plans, he must immediately report same to the Engineer before doing any, work, otherwise the contractor assumes left responsibility. In the event of Essigneer met between the construction plans, standard specifications and/or special details, the contractor shall secure written instructions from the Engineer plan to proceeding with any part of the work stacked by omissions or discrepancies. Failing to secure such instructions, the contractor will be considered to have proceeded at the own risk and expense. In the event of the two doubt or question rising with respect to the true meaning of the construction plans or specifications, the decision of the Engineer shall be final and conclusive.
- All work performed under this contract shall be guaranteed by the contractor and his suiety for a period of 12 months from the date of final acceptance of the work by the Auricipathy against all defects in materials and workmanship of whatever nature.
- Upon award of the contract and when required by the Municipality, the contrador shall furnish a bibur, material and performance bond per Municipality requirements guaranteeing completion of the work. The underwriter shall be acceptable to the Municipality. Maintenance Bond after construction may also be required. Before acceptance by the Owner and final payment, all work shall be inspected and approved by the Owner or his representative. Final payment will be made after all of the contractor's work has been approved and accepted.
- 7. Easements for the existing utilities, both public and private, and utilities within public lights of-way are shown on the plans according to available record. The contractor shall be responsible for determining the exact location in the field of these utility lines and their protection from damage due to construction operations. If existing utility lines of any nature are encountered which conflict in location with new construction, the contraction shall notify the Engineer so that the conflict may be resolved.
- Removed pavement, sidewalk, curb and gutter, etc. shall be disposed of at off-site locations provided by the contractor at his own expense.
- The contractor shall be responsible for the installation and maintenance of adequate signs, traffic control devices and warning devices to inform and protect the public during all phases of construction. One later in each detection shall be open to traffic at all instruction, the later in each detection shall be open to traffic at priving all work must be performed in accordance with standards \$70.1201, 107.1206, and \$70.401.
- 10. Baricades and varning syns shall be provided in accordance with action (27.7 4d of the Standard Specifications. Adequate lighting shall be maintained from dusk to dawn at all locations when construction operations warrant or as designated by the Engineer. It raffic control shorted the visit shall be included for use during construction are 122001, 70 (20.1, 70 (20.5, 70 (30.1, 70 (40.1, 70 (50.1, 70 (60.5, and 70 (70.1)))).
- Commonwealth Edison (Com-Ed), A.T.&I. Telephone, and Ni-Cor Cast have underground and/or overhead service facilities in the vicinity of the proposed work, the contractor shall be responsible for having the utility companies locate their facilities in the field prior to construction and shall also be responsible for the maintenance and preservation of these facilities. The contractor shall call J.U.L.I.E. at "811" or (800) 882-0123 for utility locations.
- 12. Whenever the performance of work is indicated on the plans, and no item is included in the contract for payment, the work shall be considered incidental to the contract, and no additional compensation will be allowed.
- 13. All existing traffic signs, steet signs, etc., which interfere with construction operations and not noted for removal or disposal shall be removed and reset by the contractor at locations as designated by the Engineer. This shall be considered incidental to the contract and no additional compensation shall be allowed. Damage to these items shall be repaired by the contractor at his own expense. All signs not required to be reset shall be delivered to the Municipality or County as appropriate.
- All permanent type pavenests or permanent improvements which abut the proposed improvement and route the removed, shall be sex-cut prior to removal. All items so removed shall be sex-cut prior to removal. All items so removed shall be replaced with smills constitution materials to their original condition on better. Payment for sawing shall be included in the cost for removal of each time and epigenment will be paid under the sepsective items in the contract, unless otherwise indicated the service of the contract unless otherwise indicated.
- Where overhanging branches interfere with operations of construction said branches shall be trimmed and easeful in accordance with section 645 09 of the Standard Specifications, and the cost of same shall be incidental to the centred. If trees or shrutes must be removed, they will be paid for in accordance with the specifications.
- The contractor shall submit in writing a "Schedule of Operations" showing appointment dates for commencing and completing variety phases of constituction under this contract. The schedule shall have the approval of the Engineer and the date for starting shall be mutually agreed upon between the contractor and the Engineer.
- 77. Special attention is drawn to the fact that article 105.06 of the Standard Specifications require the contractor to have a competent superintendent on the project last at all times irrespective of the amount of work sublet. The superintendent shall be capable of reading and understanding the plens and specifications, shall have full authority to execute orders to expectite the project, and shall be responsible for scheduling and have control of all work as the agent of the agrenatic contractor. Failure to comply with the provision will result in a suspension of work as provided in Article 108.07.

- Water Valve boxes and Buffalo boxes that are uncovered during construction shall be adjusted to grade prior to restoring the pavement, sidewalk or parkeys. The cost of same shall be considered as incidental to the contract.
- It shall be the responsibility of the contractor to remove from the site any and all materials and debris which result from his construction operation at no additional expense to the Owner.
- The Municipality and/or the Governing Agency shall be notified 48 hours prior to the start of any construction.

EARTHWORK

- Work under this section shall include but not be limited to the following:
- A. Clearing and removing from the site, all undesirable trees and other vegetative growth within the construction area. Tree removal shall be kept to a minimum.
- Stripping of topsoil from all excavation, pavement and structural day fill areas.
- C. Stockpiling of topsoil at locations as directed by the Owner or Engineer. Topsoil stockpiled for future use shall be relatively fee from ladge rocks, stocks, weeds, bushs, stones larger than one (1) inch diameter or other litter and waste products including other extraneous materials not conductive to plant growth. Topsoil shall be accopied in sequence to eliminate any rehanding or double movements by the contracto
- Clay cut and Clay fill with compaction within roadway and all other structural fill areas.

- E. Clay Cut and Excavation of all lakes and waterways per plan including all treatments.
- F. Placement and compaction of day to standards as required on the construction plans to the design subgrade elevations. The contractor will note that the elevations shown on the construction plans are finished grade elevations and that pavement hischeres must be subtracted to determine subgrade elevations. The contractor may obtain required day fill from on-site execution and on-site borrow excavation as directed by the Engineer, or Owner.
- G. Backfilling and compaction behind new curbs and gutters.
- Movement and compaction of soil material from the construction of underground utilities.
- Topsoil Placement to design finished grade elevations (6" minimum or as otherwise noted).
- If required, removal from site of all excess earth material including excess utility trench spoil after final grading.
- The quantities given in the Engineer's Bid Proposal for earthwork is
 intended as a guide for the contractor in determining the scope
 of the completed project. It is the contractor is exponsibility to
 determine all material quantities and appraise himself of all site
 conditions. The contract price submitted by the contractor shall
 be considered as lump a um for the complete project. No claims
 for exita work will be recognized unless ordered in writing by the
 Engineer, and/or Owner.
- Poposed pavement areas and when applicable, building pads, driveways and sidewalks shall be excavated or filled to plus or minus 0.1 foot of design subgrade elevations by the contractor.
- The subgrade shall be free of unsuitable material and shall be compacted to a minimum of ninety-five (95) percent of modified praction density. Testing for compaction shall be the responsibility
- Upon completion of the surface improvements, the excavator shall respired a 6" layer of topsoil on all disturbed parkway, berm, and
- During construction operations, the contractor shall insure positive set ordinage at the conclusion of each day. Site drainage may be achieved by driching, burnping or any other method acceptable to the Engineer. The contractor's failure to provide the above will preclude any possible added compensation requested due to delays or unsuitable materials created as a result thereof.
- Whenever, during construction operations, any loose material is deposited in the flow from of getting chainage structures, diches, etc., such that the natural stow line of water is obstructed, this loose material shall be removed at the close of seath working day. At the conclusion of construction operations, all drainage structure and throw lines shall be free from dut and debtis. This work shall be considered indexinal to the contract.
- Soil erosion control specifications shall be considered as part of this section. All disturbed areas within the right-of-way, parkways and detention areas shall be seeded with I.D.O.T. CL. I mixture in accordance with the "Standard Specifications" intess otherwise noted on landscape plans and protected with Excelsion Erosion Blanket or equal.
- All earthwork and utilify spoils to be hauled offsite shall be tested by the contractor for disposal requirements.

UNDERGROUND

- Work under this section shall include trenching, installation of pipe, castings, structures, backfilling of trenches and compaction
- All manholes and valve vaults shall be equipped with steps.
 Manholes will contain plastic coated steps per Precast Concrete
 Manhole Detail at 16 inch centers.
- All sewer and water main trenches beneath proposed or existing utilities, proposed or existing parement, chrowarys sidewalks and for a distance of two feet on either side of same, andorr wherever else shown on the construction plan shall be bec'dlied with course aggregate beachfill (CAA) and thoroughly compacted in accordance with the State Specifications.

- The construction will be observed by the Oviners Engineer. All work shall conform to the requirements of the Municipality as well as the Standard Specifications.
- The contractor shall provide the Engineer and the Municipality, and or the Governing Agency, with prints and/or legible Mylar Record Drawings of all field tiles, cleanouts, vyes, service stubs, B-Boxes, and underdrains as required.
- Separation between water mains and sewers must be maintained in accordance with Section 41-2016, C, & D of the "Standard Specifications." For a storm sever poets that cross vater mains, the storm sever proper that cross vater mains the storm sever must be constructed of low head pressure pipe meeting ASTM C-432. The flexible "O" into utilized in the type of joint must be properly seated to insure water-fightness.
- 9. Watermain and fittings shall be ducible iron pipe, Class 52 (AWWA C-151) with inferior cement mortar lining and outside seal coating (AWWA C-161). The ducitie iron pipe, fittings, and appurtenances shall be encesed in polywrap according to AWWA C-105, unless a soil its curvey has been performed and non-corrosive soils were found to exist. The soil survey shall meet AWWM Soil frest Spees. Joints shall be push on type, Clow Company "Super Beil-Tile" or approved equal. Minimum cover from finished grade to top of watermain shall be 5 feet.
- Valves shall be Mueller, Clow, or approved equal, mechanical joint, resilient wedge seat, cast iron, bronze mounted, o-ring seal, bronze non-nising stem, gadv valve. All valves shall be rated for 300 PSI test pressure and 150 PSI working pressure.
- All watermains shall be bedded with compacted, granular CA-11 materials, minimum thickness equal to 1/4 the outside dameter of the pipe, but not less than 6°.
- Valve boxes shall be good quality cast iron and made in sections, diameter as specified on the plans, with appropriate lids (see construction standards sheet). Lids shall be imprinted "Water".

- All hydrants shall be of the compression or gate type, as manu factured by Waterous, or approved equal.
- Curb inlets are to be EJIW 7010 Type M-3 HD, or as indicated on the plans.
- Where flexible pipe is used, the pipe shall be installed on Class it Bedding and additional backful extending to 12 over the pipe. Backfuling shall be in accordance with ASTM ASZM. A deflection test shall be required by using a Rigid Ball or Mandrel as required the accordance with ASTM D-0304. A 95% Mandrel is set required and will not be used prior to 45 days after backfilling.
- All Sewer Main connections to an existing sanitary sewer main shat be with a manhole.

All studius sections adjusting rings and frames shall be securely sealed to each other or to the cone section of the barel section of the manibole using resilient, flienties, non-hardening preformed, bluminous maste (PAMAEE, or Approved Equal). This master has expliced in such a manner that no surface water or ground waters inflow on erries the manibole through gase between barrel sections and adjusting rings. (ASTM C-478 STRUCTURES)

- 6. The underground contractor shall stock pile all utility spul in an area designated by the Engineer of Owner. This work shall be considered incidental to the contract of shall never out the contract of shall evel out and disburse all utility spul or remove it from the site. In the Enthwick Contract is awarded for this poject, the underground contractor shall be responsible for removal of all excess Unity Spoil from the site. This work shall be considered incidental to the contract.

- All bends in the watermain of 10 degrees or greater shall be installed with thrust blocking or as directed by project Engineer per standard detail.

- 14. Valve basins shall be of precast concrete per ASTM C-478 with bituminous mastic joints, 48 inch inside diameter with Type 1 frame and closed lid marked "Water".
- All watermains shall be subjected to a pressure test upon competion and piror to acceptance. Installation of watermains competion and piror to acceptance. Installation of watermains shall conform to AWWA Section (2-60,07. Hydroxistic pressure test and leakage test shall be based on the Municipality's requirements. The procedure for watermain disinfection shall comform to AWWA Section C-651-86.
- All system valves shall be opened fully once the water mains have been tested completely. This system will be checked by the Municipality's fire Operatment for adequate fire flows as soon as possible after the water mains are completed.
- All floor drains shall be connected to the sanitary sewer and all downspouts and footing drains shall discharge into storm sewer or onto the ground.
- Rigid Sanitary Sewers and Storm Sewers shall be installed on Class B bedding, 1/4" to 1" in size, with a minimum thickness equal to that identified not be appropriate sewer section indicated on the detail sheet. Blocking of any kind for grade is not permitted Bedding material shall conform to the requirements of ASTM C-33 for soundness and CA-11 to gradation. Cost for bedding shall be merged with unit price bid for the sewer.
- 'Band-Seaf or similar flexible type couplings shall be used when connecting sever jobps of desirinit nativists. When connecting on existing sanitary sever by means other than an existing when or mathole, contracts shall use a 'server-tap' and hub-wye or hub-tee saddle.
- 24. Sanitary sewers shall be PVC SDR 26 (ASTM 3034) with rubber gasketed joints (ASTM 0-327)3 and shall be installed according to the requirements of Unit-37 G Joyl Class I bedding material shall be allowed according to the requirements of ASTM 0-323.

 Connection to the existing sanitary manhole shall be completed by removing a potton of the existing mars and connecting the manhole unitaring PVC SRP 26 (ASTM 9034) pipe and a misson coupling.

 A "doplouse-style" manhole is not allowed. The manhole shall be provided with furbite manhole stored servers for the PVC pipe connection. Sanitary sewers, where indicated as durchal fron, shall be AWWA C151, Class 52 with cement living (AWWA C104) and tubber push on joints (AWWA C104).
- All sanitary sewer manholes shall have eccentric cones; cone openings shall be centered over the outlet pipe. All precast structures to be as per ASTM C-478.
- Sanitary sewer manholes shall be 4"-0" diameter precast structures Manholes shall also include the appropriate frame and sealed lids

PAVING, CURB & WALKS

Work under this section shall include final subgrade shaping and preparation, forming, placement of readway base course materials and subsequent birder and/or sufface courses, finishing and current coursely, final clean-up and all related work.

Construction Specification --Pollution Control & Soil Erosion & Sediment Control

- 2. The proposed pavement shall consist of the subgrade course (as specified) base outure, Britimhoris Contrete Binder course, and Bruminous Contrete Binder course, and Bruminous Contrete Binder course, and material as specified on the construction plans. Prime coat material shall be bitimhinous M.C. 30. Unless shown as a bid item, prime coat shall be considered as incidental to the cost of the contract. All pavement a final be constructed in accordance with the D.D.T. "Standard Specifications for Road and Bridge Construction", current edition.
- Sidewalks and curb shall be of the type as detailed in the constructor plans shall consist of Portland Cement Concrete with air entrainment of not less than five percent (5%) or more than eight percent (15%) concrete shall be a minimum six (6) bag mix and shall develop a minimum of 3,500 PSI compressive strength at fourteen (14) days. All concrete shall be broom finished.
- Curing and protection shall be in accordance with article 606 of the "Standard Specifications", current edition.
- 5. All damaged areas in the binder, base or cutb shall be repaired to the sastification of the Engineer and Municipality prior repaired to the sastification of the Engineer and Municipality provide whatever equipment and manpower necessary including the use of power brooms if required by the Engineer to prepare the pavement for application of the surface course. Equipment and manpower for cleaning shall be considered as incidental to the cast of the contract. Prime coat for the binder course shall also be considered as incidental to that the cost of the binder at a rate of 0.05 gallons per equare yard.
- 6. 34" thick Premoulded Fibre Expansion Joints with 34" x 13" plain round, steel dowel bars shall be installed at fifty (50) boot intervals and at all P.C. Sp. 17, 5 and curb tetriers. Alternated entitle of the dowel bars shall be greased and fitted with metal expansion these Contraction joints shall be provided at knewly five (25) foot intervals in the curb. The cost of these joints shall be considered as incidental to the cost of the contract. Expansion pints shall be provided at the contract.
- Backfilling of curbs or pavement shall be the responsibility of the earthwork contractor.
- Curbs shall be depressed at locations where public walks/pedestrian paths intersect curb line at street intersections and other locations as directed, in accordance with Americans with Disabilities Act (ADA)
- Two (2) coats of concrete sealer in conformance with the Standard Specifications shall be applied to exposed concrete surfaces, cost of which shall be incidental to the cost of the contract.
- It shall be the responsibility of the contractor to remove from the site any and all materials and debris which result from his construction operations at no additional expense to the Owner.
- Concrete sidewalks shall have three 1/4 inch diameter, 10 foot long reinfording rock centered over all utility crossings. Expansion joints shall be provided in the concrete sidewalks at 50 foot intervals.

11. The parking contractor, shall be responsible for providing all coring, the string, and powerment evaluation as equived by the Numbrigative for acceptance at his own expense. The contractor shall include this as a separate bit item or else it will be assumed that this contract has been figured into the entity prices for the parking library. All testing results shall be made available to the Municipality for review. ntractor Quality Control prugated Polyethylene Tubing agging, Transporting, Planting and tablishment of Trees, Shrubs and Vines

SEDIMENTATION & EROSION CONTROL

- All storm water runoff is to be directed to catch basins with proper sumps. Drainage Structure Intel Filter Devices shall be placed in the catch basins, intels, or manifoles, so as to filter and contain any and all soil and debris.
- When storm water is to be routed through existing or proposed detention basins, they are to be constructed immediately excavated commencement of the project. Basins will be properly over excavated so as to provide sufficient volume for debris and settlement. If the drainage is in an existing basin, the upstream project will be properly protected so as to prevent siliation of the downstream basin.
- All catch basins, sumps and/or retention basins are to be cleaned at the end of the project prior to final acceptance. Cleaning may also be required during the course of the construction of the project if it is determined that the sit and densits traps are not properly functioning and their performance is impaired. Unless soil erosion control items are specifically referred to as bid items (such as topsoil respread, seeding, etc.), they are to be considered as incidental to the cost of the contract.

ection - Fabric Drop ection - Paved Areas ection - Sod Filter

- Soil erosion control measures in accordance with the "Procedures and Standards for Urban Soil Erosion and Sedimentation Control in Illinois" current edition, shall be followed at the discretion of the Municipality.
- Any soil erosion control measures in addition to those outlined in these plans and which are deemed necessary by the Engineer, shall be implemented immediately by the contractor.

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Table A · Graze, Forb and Sedge Species

"r Low Manitenance Areas

"north Vegetation

ce

880b 920 925 930 954 960 965 981

4/2012 4/2012 12/1994 8/1994 6/2009 6/2009 10/2001 12/1994 4/2000

Jate: 11-17.
Scale: NA
File Name: 2017-17-053-ENG
Prawn: JAR
*ted: DWO

Sheet:

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V

oject No.: 17-05

- Seeding shall conform to section 250 of the "Standard Specifications"

ng, Sprigging and Mulching

- ois Urban Manual Practice Standard
- Date
 11/2013
 1/1999
 2/1994
 6/2009
 1/1999
 1/1999
 2/1994
 5/2011
 11/1999
 2/1994
 6/2010
 10/2001 VOLKSWAGEN OF ORLAND PARK

8920 W. 159th ST., ORLAND PARK, IL

CONSTRUCTION SPECIFICATIONS

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attached drawings, or the use of the cooch ideas or Concepts described in



ois Urban Manual struction Specification Name



s and Specifications I specifications for Soil Erosion and Sediment Control and other Pollution : ith the Illinois Uthan Manual Standards as indicated below.

removal, and restoration of measures and temporary works shall be adequately maintained in a functional condition fo construction period. All temporary measures shall be removed and the side restored to near

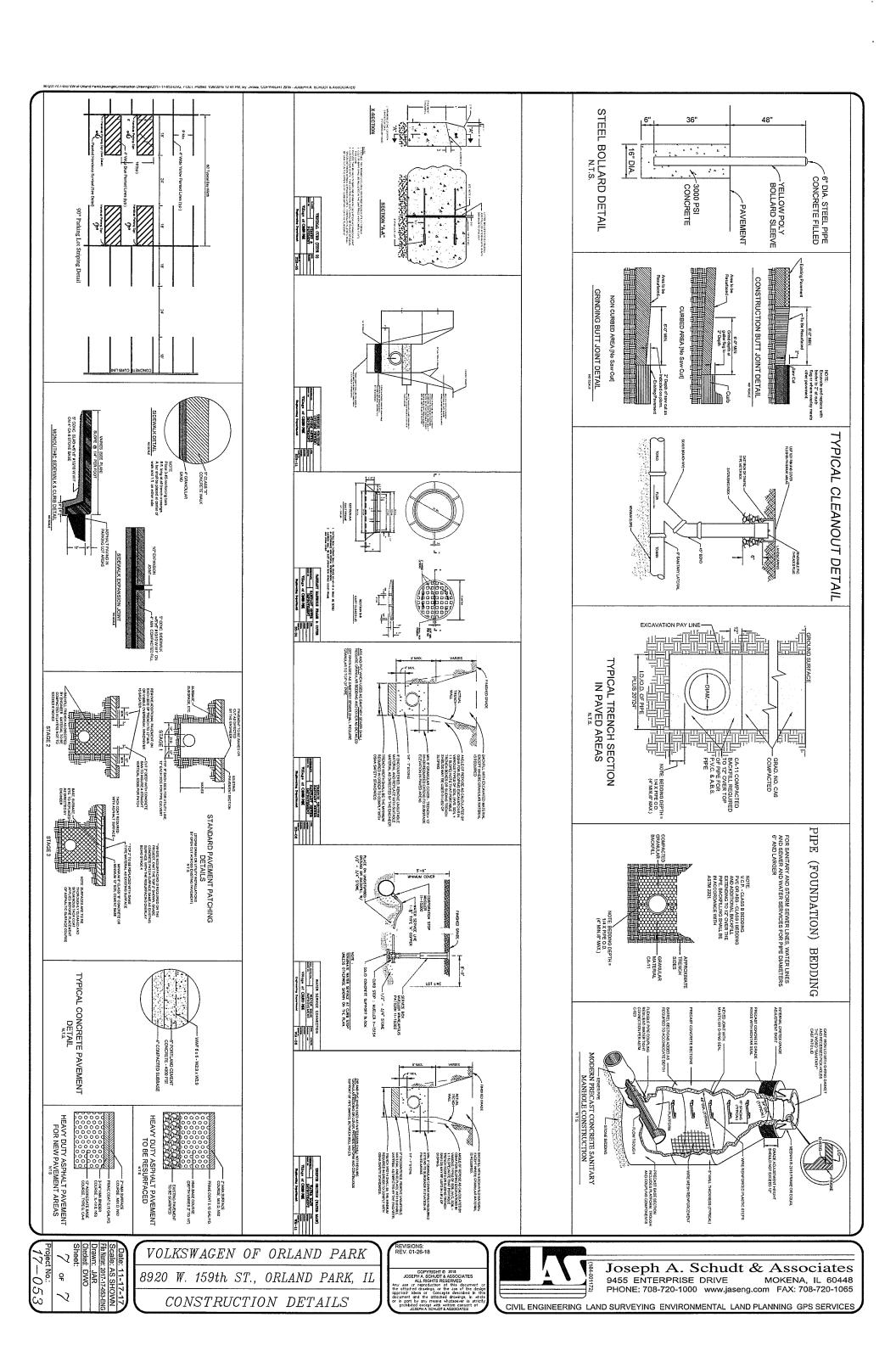
Joseph A. Schudt & Associates 9455 ENTERPRISE DRIVE MOKENA, IL 60448

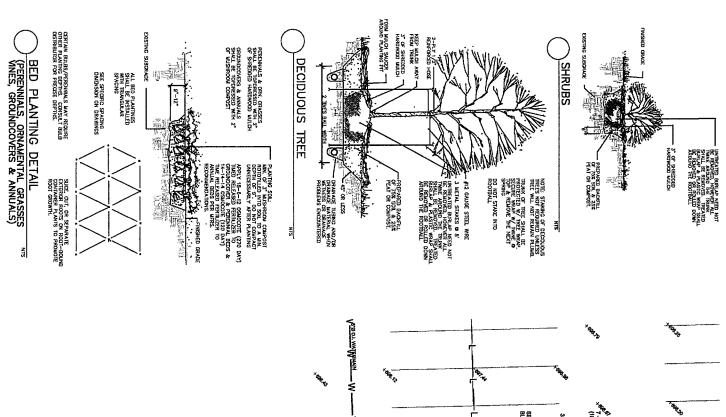
sediment from croding areas from These basins are temporary and shal they are no longer required or when p sediment from areas of limited a under or around them. These to original condition when they are

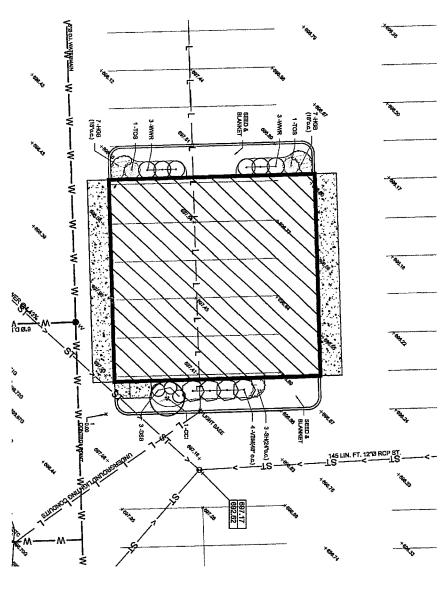
PHONE: 708-720-1000 www.jaseng.com FAX: 708-720-1065 CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL LAND PLANNING GPS SERVICES

from fields, diversions, and other structures or oved and the area restored to its original condition measures are installed.

section 8 of this specification or required by







KEY GIY
CCI 1
DSB 3
TOS 2
VBM 4
WWR 6
HGB 14
SH 3 MATERIALS LIST: PLANT LIST: Foundation • 92 LF less access doors Req. Landscaping • 1 Ornamental Tree & 16 Shrubs | along 50% of building facades 92 divided by 100 = 92 Plant Type Req. Plant Quantity
Omamental Tree 1 x .92 = .92 or 1 tree
Shrubs 16 x .92 = 14.7 or 15 shrubs LANDSCAPE CALCULATIONS: Quantity Provided 1 15 per 100 LF

ITEM Mulch Mulch Seed & Blanket

DESCRIPTION
Stredded Hardwood Bark
Stredded Hardwood Bark
Compost (Mushroom or Yard Waste)
LOOT Class 1A Salt Tolerart Lawn Mix
NAG S75 Straw Blanket (or equal)

GENERAL NOTES:

Plant material shall be nursery grown and be either bailed and bur lapped or container grown. Sizes and spreads on plant list represent minimum requirements.

The requirements for measu latest addition of ANSI Z60.1 by the American Nursery & L surement, branching and ball size shall conform to the D1, AMERICAN STANDARD OF NURSERY STOCK I Landscape Association.

If any mistakes, omissions, or product, the Landscape Arch opportunity to take any step notify the Landscape Archite them from any responsibility Any materials with damage sunscald, insect damage, e with multiple leaders will be multi-stem or clump (cl.). s, or discrepancies are found to exist with the work troilled; shall be promptly notified so that they have the eps necessary to resolve the issue. Failure to promptly hided and the Owner of such conditions shall atsolve tiffly for the consequences of such failure. ed or crooked/disfigured teaders, tark abrasion etc. are not acceptable and will be rejected. Trees to rejected unless called for in the plant list as

Under no creamstances should these plans be used for construction purposes without comming actual locations of utilities on site, and reviewing all related documents mentioned herein, including related documents prepared by the project Civil Engineer and Architect.

Civil Engineering or Archited The location of various site is illustrative and should not be tectural base information has been provided by others, e improvements on this set of drawings is only be relied upon for construction purposes.

Quantity lists are supplied as a convenience. However, Bidders and the installing Contractor should verify at quantities. The drawings shall also precedence over the lists. Any discrepancies shall be reported to the Landscape Architect.

Actions laten without the knowledge and consist of the Owner and the Landscape Authers or in contradiction to the Owner and the Landscape Authers work product or recommendations, shall become the responsibility not for the Owner and the Landscape Architect, but for the patiets responsible for the lating of such action.

Refer to Civil Engineering do location, depth and type of us improvements, other than lar ocurrents for detailed information regarding size, utilities, as well as locations of other site andscape improvements,

Plant symbols illustrated on plant material types and are symbols do not necessarily installation. this plan are a graphic representation of proposed sintended to provide for visual clarity. However, the represent actual plant spread at the time of

All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Village, Landscape Architect and Owner.

The Landscape Contractor shall verify location of all underground utilities prior to figging by calling "-U.L.I.E" (Joint Utility Location for Excussions) 1-800-892-0123 and any other public or private agency necessary for utility location.

All perennal, ornamental grass, groundower and annual bods shall be top dressed with a minimum of three inches (3) of mushroom compost. The top dressing shall be worked into the sol to a minimum depin of the tribnes (37) by the use of a cultivating mechanism. Upon completion perennials & ornamental grasses shall be mushed with an additional two inch (2) layer of shredded wood much; Annuals & groundcovers shall be covered with an additional two inch (27) layer of mushroom compost.

All other planting beds and tree saucers shall be mulched with a minimum of three inches (3") of shredded wood mulch

lanting beds adjacent to building shall be mulched in their entirely to the suilding foundation. Plant materials shall not be installed under building werhangs and other such areas which do not receive natural rainfall

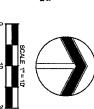
All bed lines and tree saucers shall require a hand spaced edge between lawn and mulched areas.

Grading shall provide slopes which are smooth and continuous. Positive drainage shall be provided in all areas.

Seed mixes shall be applied mechanically so that the seed is incorporated into the top one-half inch (1/2") of the seed bed. The seed shall then be covered with the specified baniet (installed per manufacturer's specis) or Hydro-mulch. Sod shall be mineral base only.

All plant material shall be guaranteed for one (1) year from the date of acceptance.

CALL
JULIE
48 HOURS
BEFORE YOU DIG
1-800-892-0123
TOL. FREE
Operating 24 Hours
Days Day



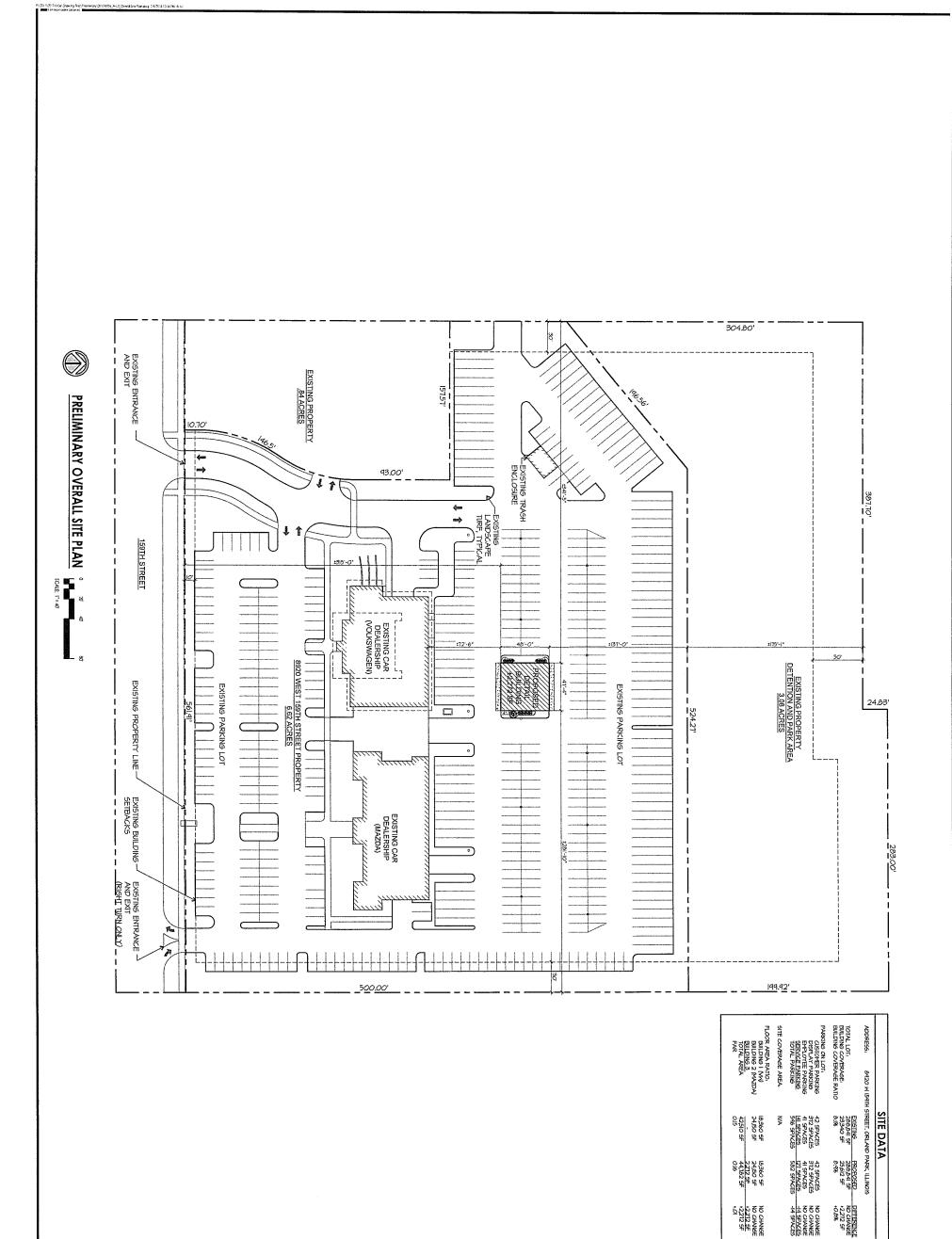
NEW DETAIL BUILDING
VOLKSWAGEN
of ORLAND PARK REVISIONS RG IvesiRyan

Landscape Architecture Park & Recreation Design Site & Community Planning 324 EISENHOWER LANE N. LOMBARD, IL 60148 PHONE: 630.717.0726

LANDSCAPE PLAN

DATE: 11/16/17
SCALE: 1'=10'
PLANNER: RM
DRAWN BY: RM
CHECKED: PROJECTINO: JOB NO.: L1817 9010

SHEET



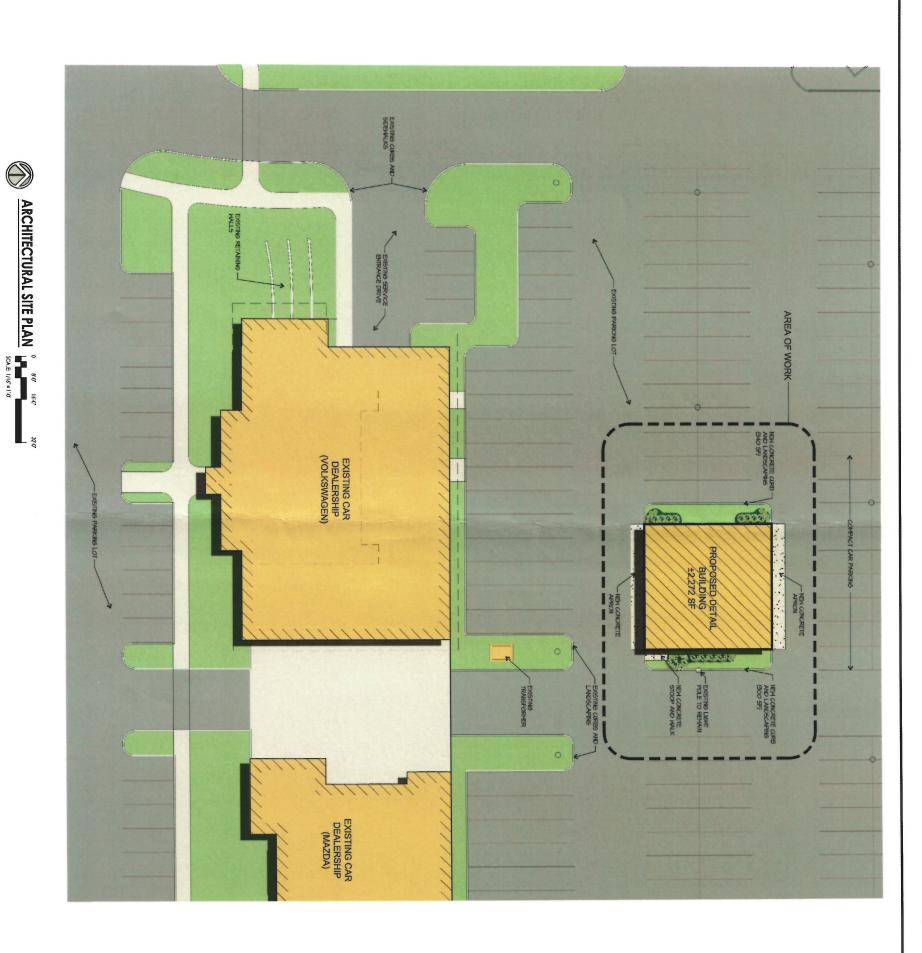
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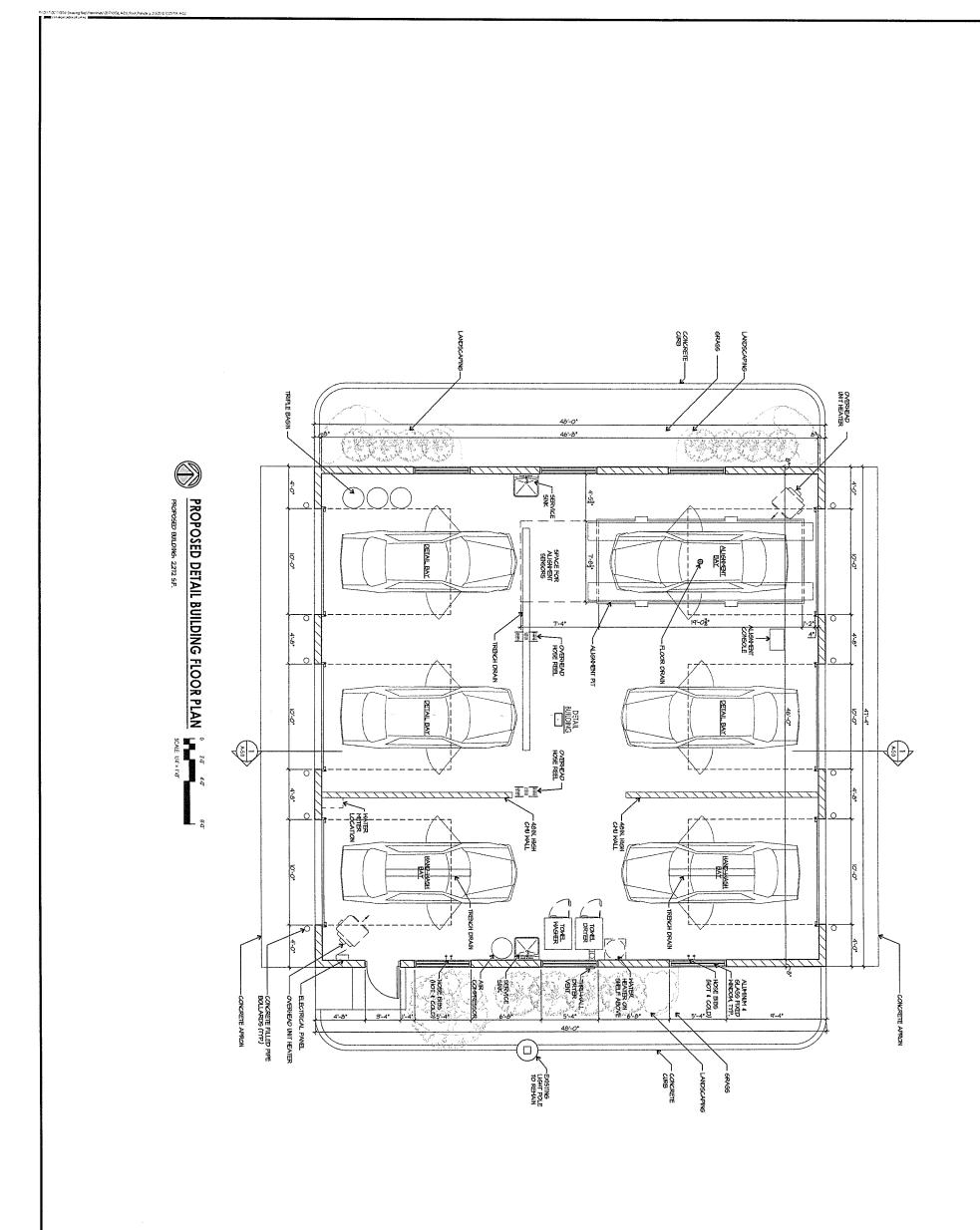


DRAWN DESCRIPT ON









A-2.0

CONTROL AND COUNT.

AND THE RESERVE AND COUNT.

PROPOSED

FLOOR PLAN

REMINSER
2-5-2018
DAIE
CT
DEAWNIBY

PRALEMENT
AUTHORITIES AND COPERING AND COPERING

2017-0036
PROJECT NUMBER

DATE DRAWN DESCRIPTION
11-17-2017 ISSUED FOR PRELIMINARY REVIEW
02-05-2018 REVISION #1

New Detail Building for:

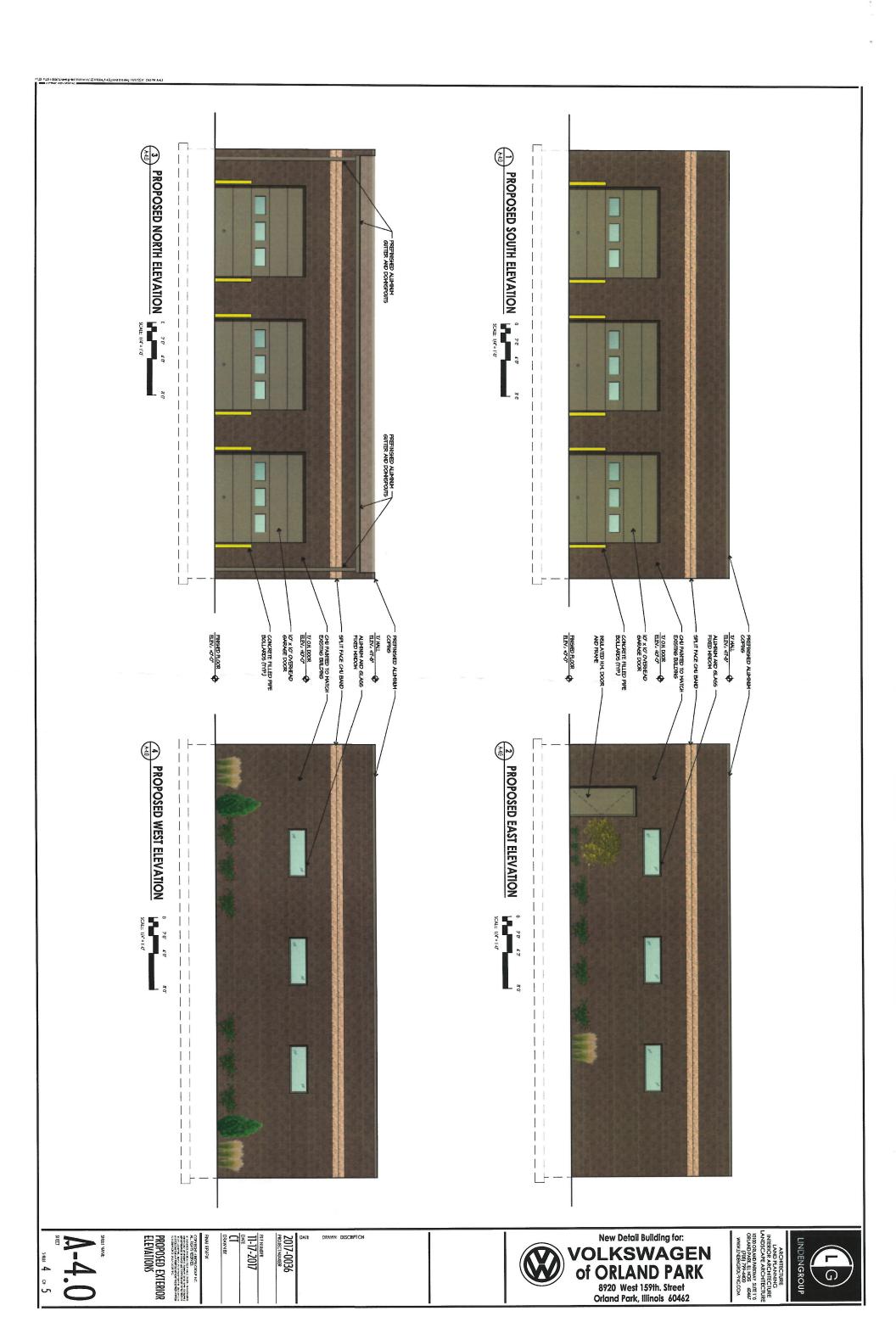
VOLKSWAGEN

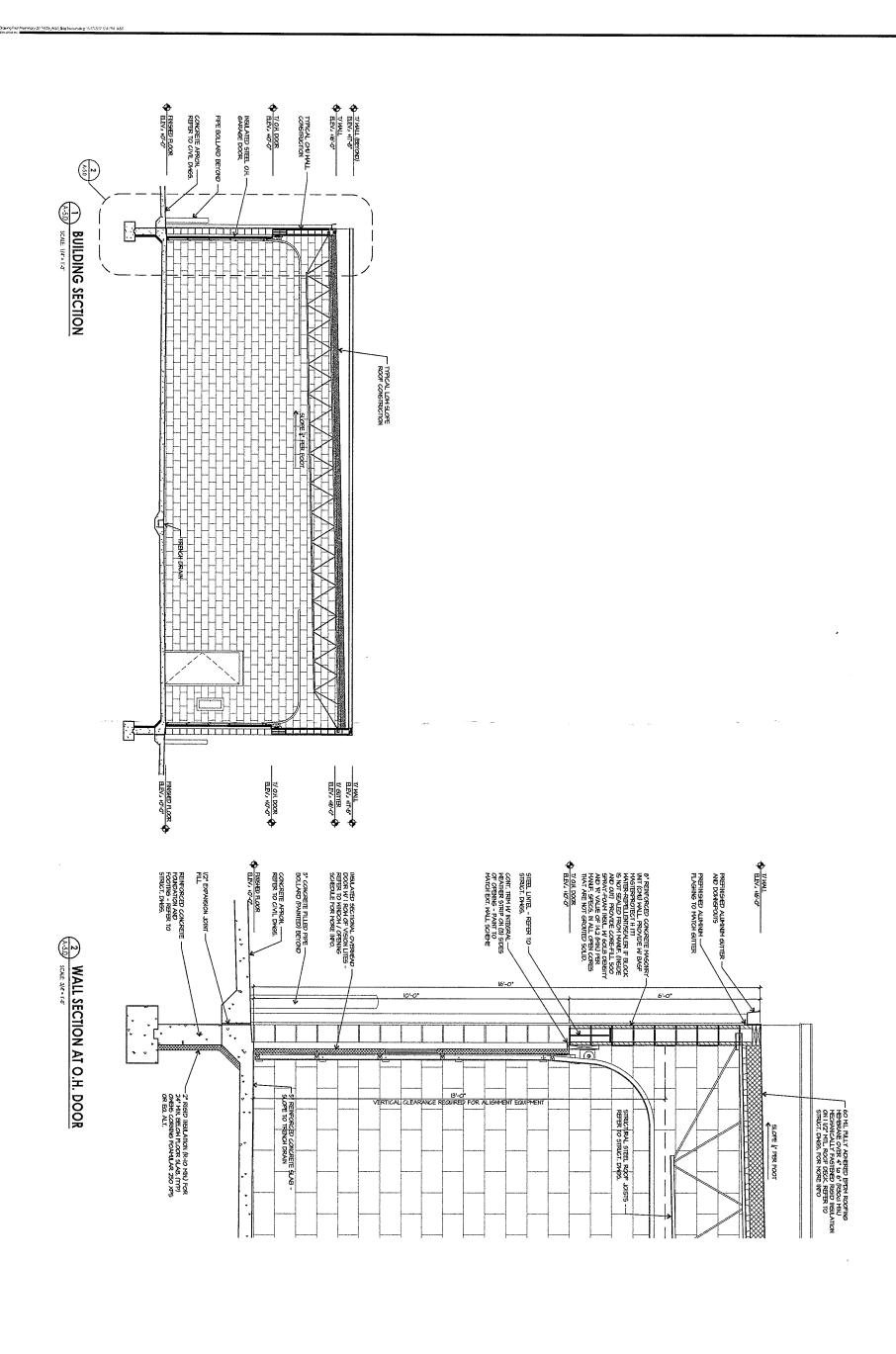
of ORLAND PARK

8920 West 159th. Street
Orland Park, Illinois 60462

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DIDO OBLAD PARK LILINGS
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